



Crawford County
Planning



Crawford County Safety Action Plan

*A roadmap to eliminate fatal and serious
injury crashes in our region*

June 2025



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Introduction

Crawford County, in collaboration with the Northwest Pennsylvania Rural Planning and Development Commission (Northwest Commission), developed this county-wide Safety Action Plan (SAP).

Background

This SAP initiative aligns with the objectives of the federal Safe Streets and Roads for All (SS4A) grant program, which aims to improve roadway safety and reduce transportation-related fatalities and serious injuries.

The SS4A Grant Program was created by the 2021 Bipartisan Infrastructure Law (BIL), which focused on infrastructure and multiple road user investments. The SS4A program has two types of grants: planning/demonstration and implementation grants. Planning/demonstration grants require establishing needs, collaboration with stakeholders, and project identification.

Purpose

This SAP aims to improve transportation safety and reduce fatal and serious injury crashes on non-interstate roadways in Crawford County.

This plan:

- summarizes countywide transportation-related safety issues,
- identifies location-specific and systemic strategies for addressing these safety issues,
- outlines implementation approaches to move these strategies forward, and
- identifies practices to measure progress and provide transparency during implementation.

Leadership Commitment & Goal Setting

As part of the SS4A program, an official leadership commitment must be established to eventually reduce roadway fatalities and serious injuries to zero. The commitment must also include a goal and timeline to achieve zero fatalities and serious injuries through one, or both, of the following:

- A target date for achieving zero roadway fatalities and serious injuries.
- A target percentage reduction of roadway fatalities and serious injuries by a specific date, with a longer-term goal for reducing fatalities and serious injuries.

In June 2025, the Crawford County Commissioners adopted a resolution to eliminate roadway fatalities and serious injuries on all roadways by the year 2035. County administration, alongside the County planning staff, endorsed the SAP as a comprehensive and holistic approach to achieving this goal. The full text of the resolution can be found in the Appendix.

Setting this goal provided key guidance to the project team when developing plan recommendations. The resolution commits this action plan to include existing conditions & historical trends, crash data, identification of a high injury network (HIN), a prioritized project list for implementation, and a framework for evaluating and tracking outcomes.

The resolution also advocates for providing copies of the SAP to municipalities to encourage collaboration and proactive planning to improve the safety of the county's transportation network, which local governments have a vital role in maintaining.

Plan Development Process

The development of the Safety Action Plan (SAP) involved various efforts and activities.

Steering Committee

A Steering Committee was established to help guide the overall vision and goals for the SAP. The multidisciplinary team, representing stakeholders and community leaders, provided direction, reviewed the data, and ensured the planning process was inclusive and aligned with county priorities.

Public Stakeholder Collaboration

A robust communications and public involvement strategy ensured that the SAP reflects the county's needs. Refer to the Public Engagement section for more detailed information about the communications and outreach strategies.

Safety Analysis

A comprehensive analysis of historical and current safety conditions was conducted, including:

- Reviewing and summarizing historical crash data,
- Identifying high-injury corridors and systemic trends, and
- Evaluating high priority roadway segments to identify contributing factors.

Strategy Identification & Prioritization

The safety conditions analysis and stakeholder engagement (with the Steering Committee and the public) help to identify and refine a comprehensive set of location-specific and systemic safety strategies and countermeasures.

Implementation & Monitoring

The Steering Committee collaborated with the County to secure leadership commitment to advance the SAP and to develop an implementation approach, including tools for measuring progress and providing transparency.

Figure 1 – Plan Development Process



Public Engagement

The public engagement tactics deployed allowed for an open, transparent, and interactive stakeholder process delivered in partnership with the Northwest Commission.

The primary goals of the public engagement process were to:

- Engage stakeholders in the development process;
- Provide the public with the opportunity to share feedback;
- Establish various methods of engagement with the public that were both interactive and equitable; and
- Consider the public's feedback on prioritized locations and critical safety enhancement recommendations.

The insights and feedback received through the public outreach were used to inform the identification of safety issues, locations, and countermeasures/strategies.

Project Website

Crawford County created a Safety Action Plan website as a resource for the public to access project-related information in a centralized location. The website allowed stakeholders and the public to easily access project updates, key messages, engagement opportunities, and feedback forms.

Website URL: <https://crawford-county-safety-action-plan-rocklandplanning.hub.arcgis.com/>

Outreach Strategy

The public was notified of the meetings and other opportunities to share feedback via press releases, social media posts, and emails. Steering Committee members helped champion the project and shared announcements about public involvement opportunities with their contacts.

Public Input Opportunities

Crawford County held public meetings to receive feedback on roadway safety issues and support the development of the SAP.

The public engagement process included the following outreach activities: public meetings across the County, online Wikimapping Feedback Tool, and a video & online feedback survey.

Public Meetings

Because of the project's large geographic area, the County offered the option of three locations over two days (December 3rd and 4th, 2024) for the first public meetings. The meetings could be attended in person in Linesville, Meadville, or Titusville, or virtually, using the meeting link provided to the public.

During these public meetings, the County's project team provided a background on the SS4A Program, identified general safety trends in the County, introduced the public Wikimapping Feedback Tool, and highlighted engagement opportunities.

There were 13 public participants across the three meeting locations (Linesville, Meadville, and Titusville).

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Wikimapping Feedback Tool

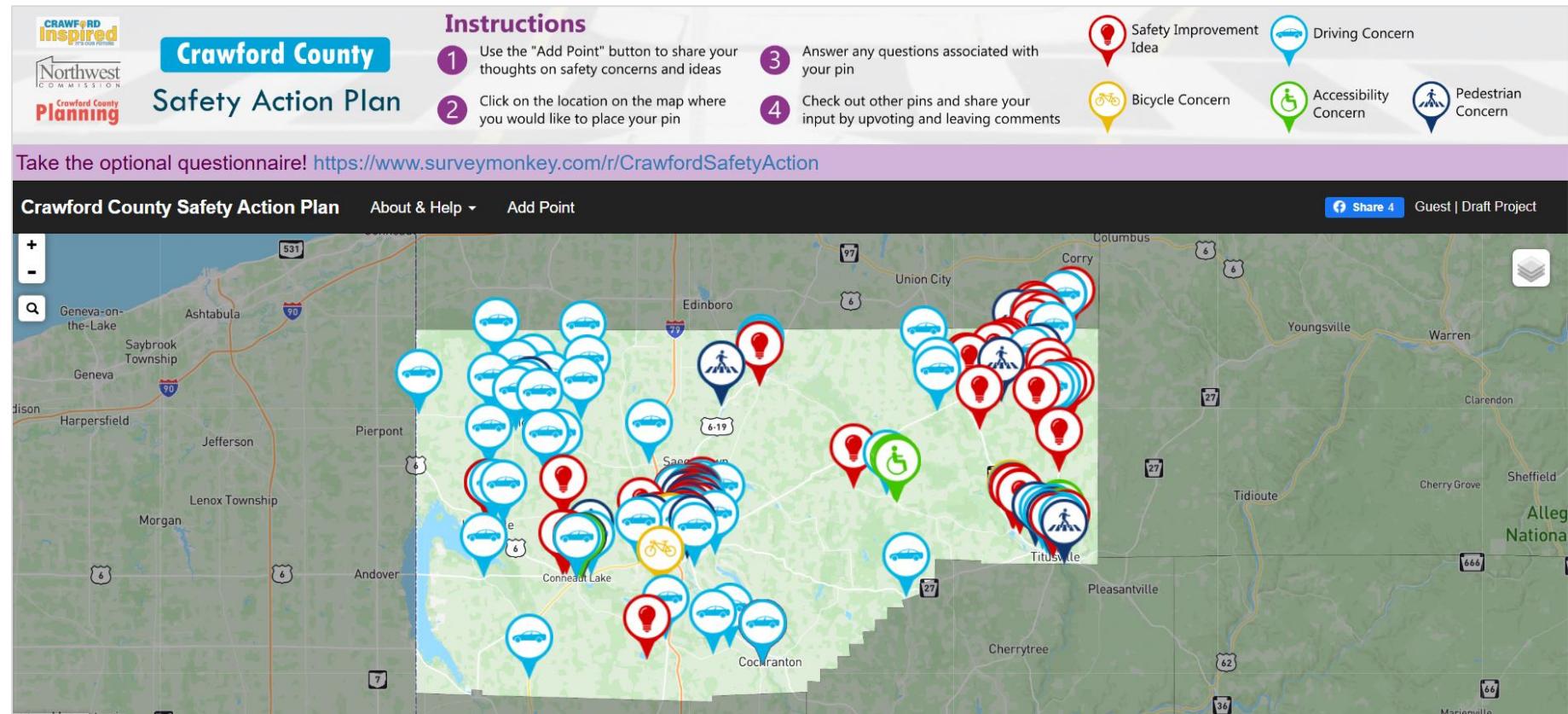
Wikimapping is an interactive digital online mapping tool for identifying safety concerns by adding pins to specific roadways and locations on a map. The online mapping survey allowed community members to identify locations of safety concerns, along with potential improvement ideas throughout the County.

A hard copy of the feedback form was available upon request for those who could not access the digital mapping tool.

The Steering Committee received 221 pins and 41 comments through Wikimapping (as shown in Figure 2, below).

Note: In addition to being incorporated into the SAP, written comments were also tabulated and shared with both the Steering Committee and Crawford County, for future reference.

Figure 2 – Public Input on Safety Issues and Locations through the Wikimapping Feedback Tool



Summary of Wikimapping Feedback

The themes for the five categories of public feedback pins are summarized below:



Pedestrian Concerns

- Sidewalks nonexistent in high pedestrian areas, especially in and around Meadville
- Visibility issues at intersections and along roadways utilized by horse and buggy



Driving Concerns

- Confusing intersections with concerning alignment and obstructed views
- Excessive speeding



Bicycle Concerns

- Safer Ernst Trail connections/crossings in Conneaut Lake and Meadville
- Safer bicycle accommodations in Meadville



Safety Improvement Ideas

- Intersection redesigns (roundabouts, realignments, traffic lights)
- Speed limit reduction strategies



Accessibility Concerns

- Increase sidewalk connections and ADA accommodations
- ADA crossings accommodations in Townville collect sediment and leaves due to runoff

The public's top three locations of interest (based on the number and types of comments received) are as follows:

1. Rogers Ferry Rd. (SR 2034) and Dunham Rd., Meadville
2. Buell's Corner Rd. and SR 89, Rome Township
3. Hydetown Rd./Spring St. and Central Ave./SR 27/SR 8, Titusville

Other top areas of concern identified include:

4. Allegheny St. and Park Ave., Meadville
5. Conneaut Lake Rd. and Silver Shores Restaurant, Conneaut Lake

The top three locations and areas of concern were considered when making key decisions within the safety analysis and when identifying the high priority locations and systemic safety issues.

Video & Online Survey

Following the completion of the safety analysis and development of draft recommendations, a prerecorded video was shared on the project website on April 7th, 2025, summarizing the County's top 10 High Injury Network (HIN) locations and systemic safety issues (refer to the Safety Analysis section).

The public was asked to provide 1) their comments on the proposed countermeasures for the top 10 HIN locations and 2) to share their personal prioritization of these locations and of the identified systemic safety issues.

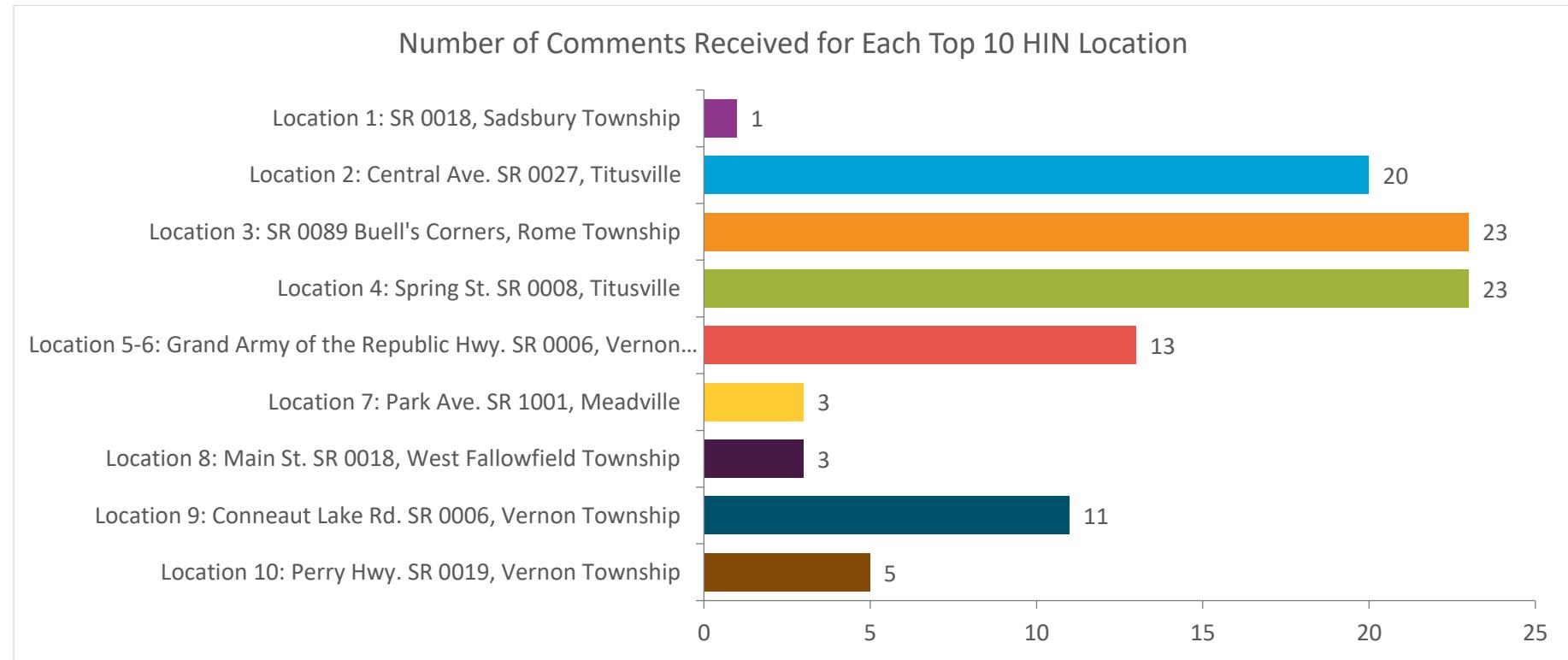
The public was given two weeks to watch the video and share their feedback through a SurveyMonkey feedback form. The Steering Committee received 34 responses.

The comments were used to modify the countermeasures, and the public's prioritization helped to inform plan implementation approaches.

Note: In addition to being incorporated into the Safety Action Plan, written comments were also shared with both the Steering Committee and Crawford County, for future reference.

Summary of Online Survey Feedback

Figure 3 -Survey Results – Number of Comments Received for each Top 10 HIN Location



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Figure 4 -Survey Results -Top 10 HIN Location Prioritization

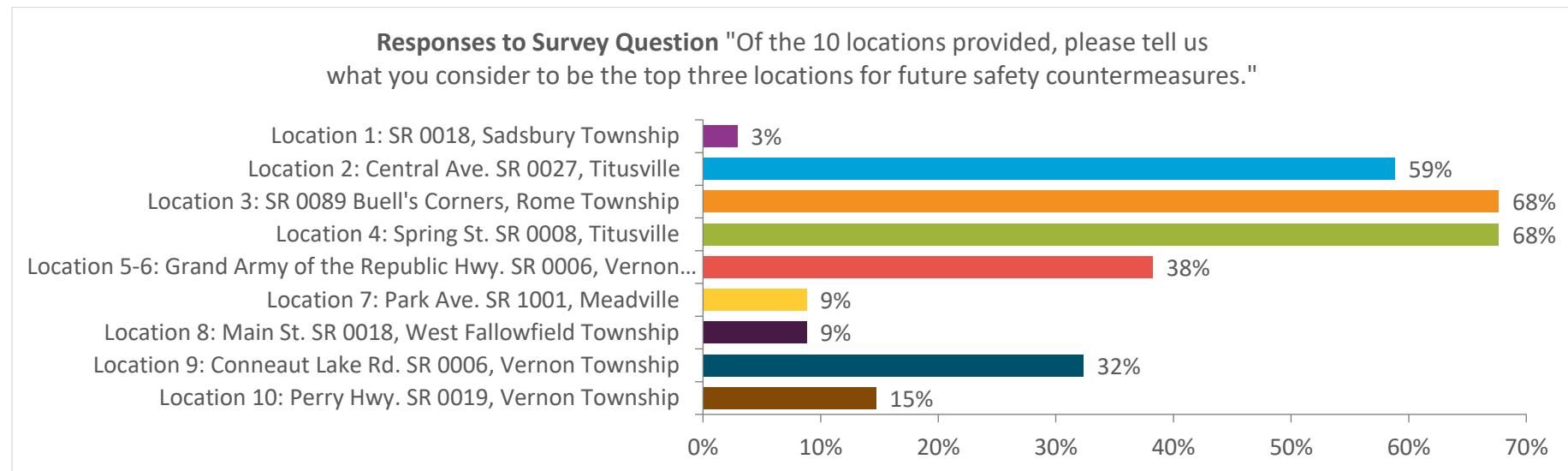
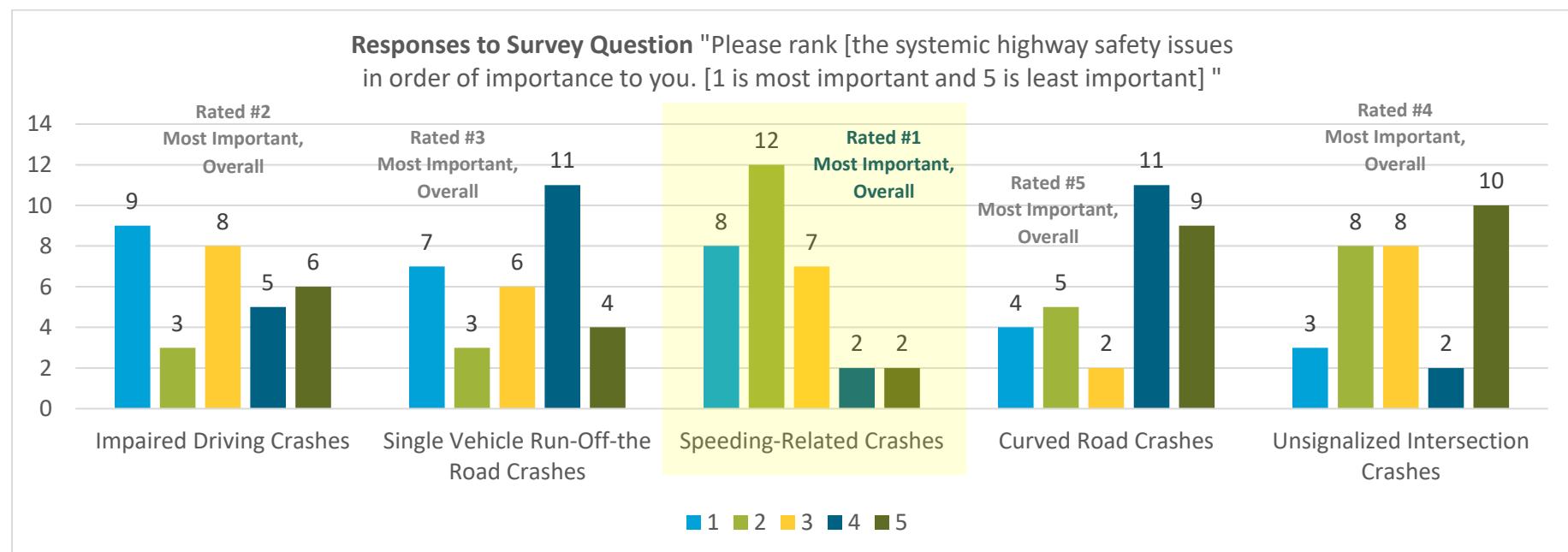


Figure 5 -Survey Results - Systemic Issues Location Prioritization



Safety Analysis

A comprehensive analysis of current and historical safety conditions was conducted, including:

- Reviewing and summarizing historical crash data,
- Identifying high-injury corridors and systemic trends, and
- Evaluating high priority roadway segments to identify contributing factors.

This safety analysis excluded interstate roadways, as they are not within the scope of this SAP.

Historical Crash Trends

The historical crash data for all non-interstate roadways within Crawford County were evaluated to better understand the crash locations, severity, types, and contributing factors.

Crash Data Source

The primary data source used for this evaluation was the PennDOT Pennsylvania Crash Information Tool (PCIT) public crash records database. This tool allows users to perform custom data searches and develop customized crash data reports. Only “reportable” crash data was evaluated, due to data accessibility and consistency.

The PCIT data can be filtered by geographic boundaries and by various crash characteristics. The filtered crash results can be summarized as points on a map and as data tables.

The PCIT crash data was pulled for all non-interstate roadways in Crawford County between 2019 and 2023 (the most current PCIT data available). *Note: this data includes both local and state roadways.*

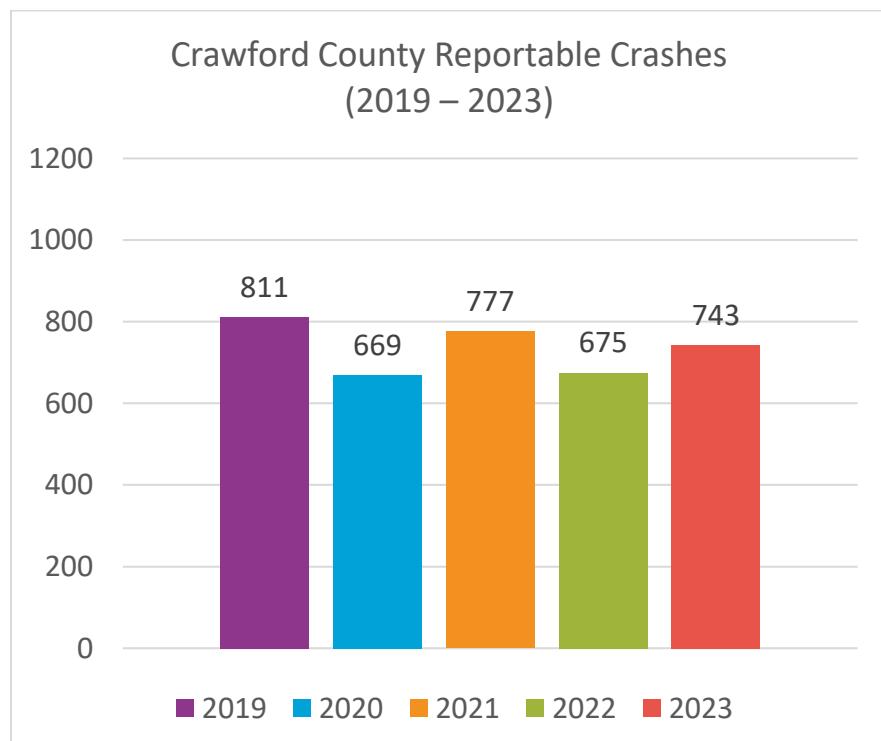
Crash Numbers

Over the last five years (between 2019 and 2023), Crawford County experienced a total of 3,675 crashes on non-interstate roadways.

**3,675 crashes
in Crawford County
from 2019 – 2023
(non-interstate)**

Within the world of transportation safety, it is normal for the number of crashes to fluctuate over time. Looking at the year-by-year trends shown in Figure 6 below, the overall number of crashes in Crawford County has remained relatively constant (if not trending slightly downward).

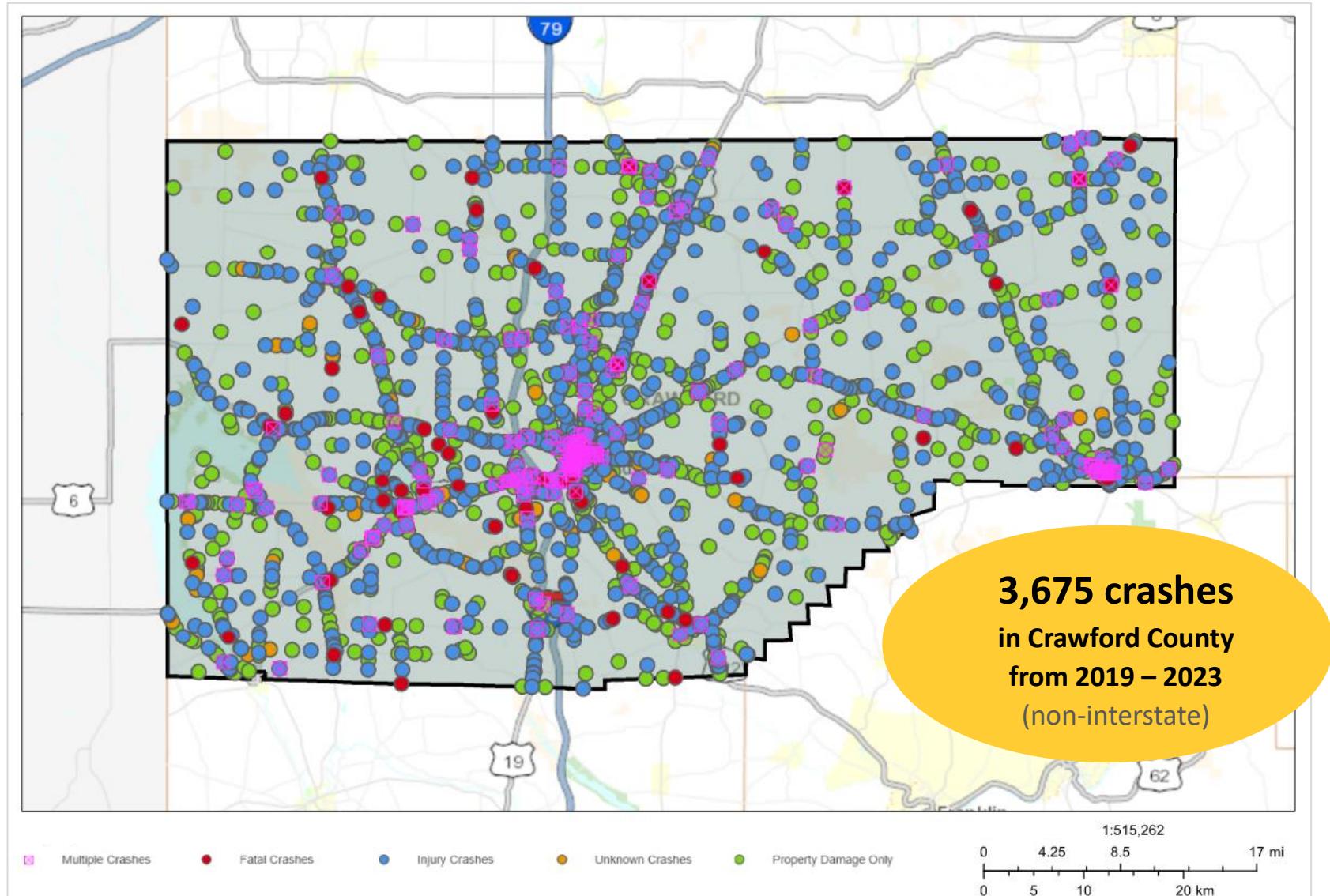
Figure 6 – Crawford County Reportable Crashes Over Time (2019 – 2023)



Crash Locations

The Crawford County non-interstate crashes over the last five years (between 2019 and 2023) are distributed across the county, however they concentrate along regionally significant highways and arterial roadways, (Figure 7).

Figure 7 – Geospatial Plot of Crawford County Reportable Crashes (2019 – 2023)



Crash Severity

Within crash reporting systems, crash severity is assigned to each crash based on the most serious injury involved in the crash. (i.e., if there is more than one injury resulting from a crash, then the most serious injury drives the crash severity designation).

The crash severity breakdown for the 3,675 non-interstate crashes over the last five years is shown in Figure 8 below.

Figure 8 – Crawford County Crash Severity Breakdown - Percentages (2019 – 2023)

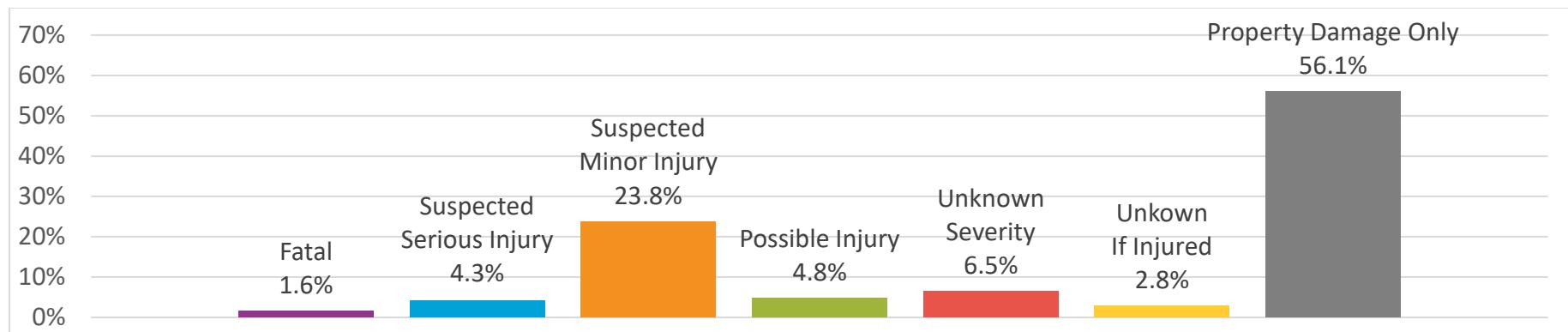
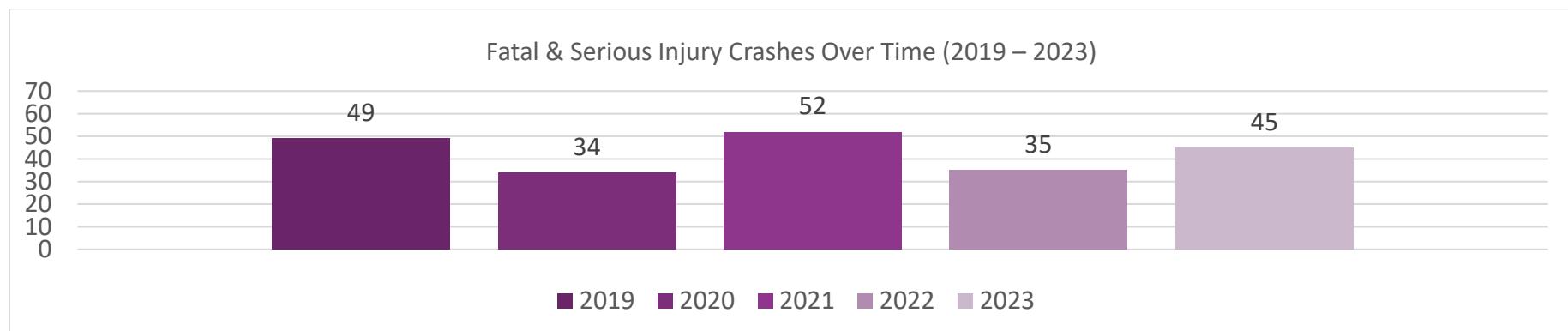


Figure 9 – Crawford County Fatal & Serious Injury Crashes – Over Time (2019 – 2023)



Crash Types

The crash type breakdown for the 3,675 non-interstate crashes over the last five years is shown in Figure 10.

The most common crash type, overall, is “Hit Fixed Object” crashes, which occur when a vehicle strikes a guiderail, tree, utility pole, etc. Run-off-the-road crashes are one crash sub-type underneath “Hit Fixed Object” crashes (although these crashes can also be classified as “Non-Collision” crashes if no object was struck).

The second most common crash type is “Angle” crashes, which involve one vehicle striking another at an angle and can occur at intersections, driveways, during lane changes, and other contexts.

Figure 10 – Crawford County Crash Types Breakdown - Percentages (2019 – 2023)

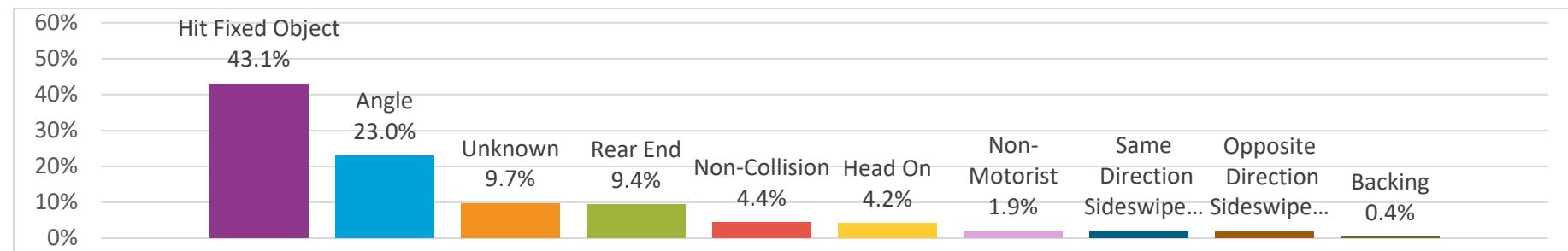
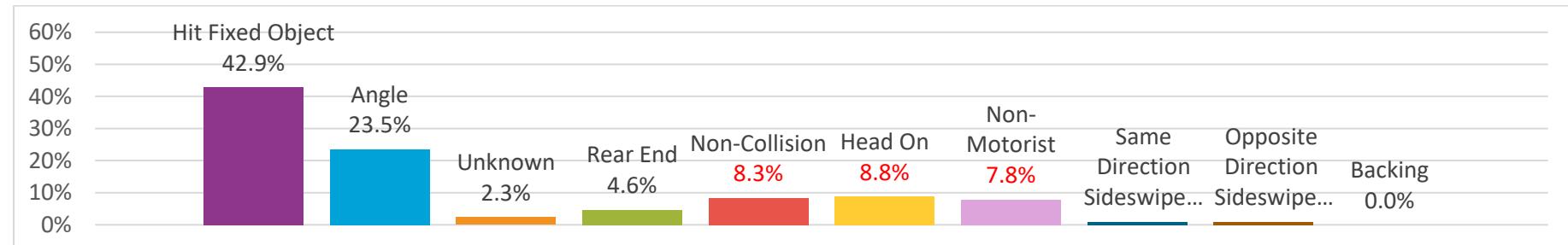


Figure 11 – Crawford County Crash Types Breakdown - Percentages (2019 – 2023) - for Fatal & Serious Injury Crashes



Fatal & Serious Injury Crashes

For fatal and serious injury crashes, the top two crash types are also “Hit Fixed Object” and “Angle”, as shown in Figure 11.

There are three crash types that are over-represented in the fatal and serious injury crash data (i.e. they have higher percentages for fatal and serious injury crashes than they do for all crash types):

- Non-Collision crashes (8.3% vs. 4.4%)
- Head On crashes (8.8% vs. 4.2%)
- Non-Motorist crashes (7.8% vs. 1.9%)

The largest difference is for non-motorist crashes (7.8% vs. 1.9%). Non-motorists (pedestrians) are commonly defined as “Vulnerable Road Users”, as they are more likely to be injured in a crash.

Vehicle Types

The vehicle type breakdown for the 3,675 non-interstate crashes over the last five years is shown in Figure 12 below.

The top three most common vehicle types involved in crashes are as follows:

- Automobile
- SUV
- Small Truck

Fatal & Serious Injury Crashes

For fatal and serious injury crashes, there are five vehicle types that are over-represented in the fatal and serious injury crash data (i.e. they have higher percentages for fatal and serious injury crashes than they do for all crash types):

- Motorcycles (13.7% vs. 3.8%)
- ATV (4.7% vs. 0.9%)
- Horse & Buggy (1.3% vs. 0.5%)
- Bicyclist (0.9% vs. 0.4%)
- Others (3.5% vs. 1.1%)

The largest difference is for motorcycles, (13.8% vs. 3.8%). Motorcyclists are relatively more exposed to crash impact forces than drivers of other vehicle types.

Figure 12 – Crawford County Crashes - Vehicle Types Breakdown - Percentages (2019 – 2023)

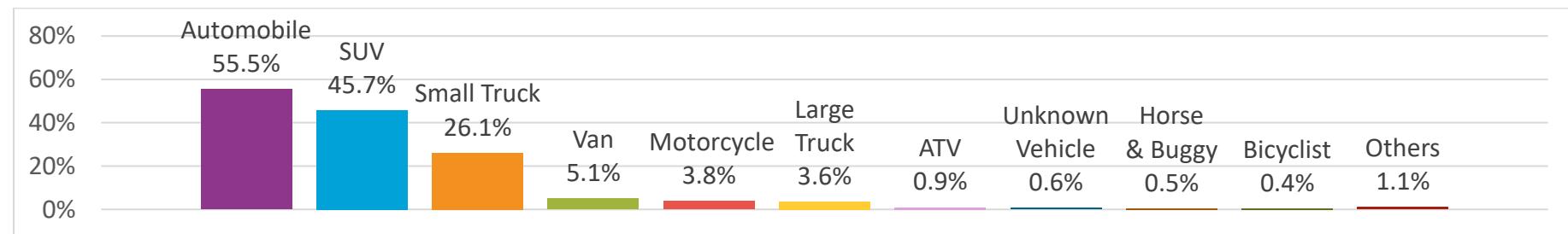
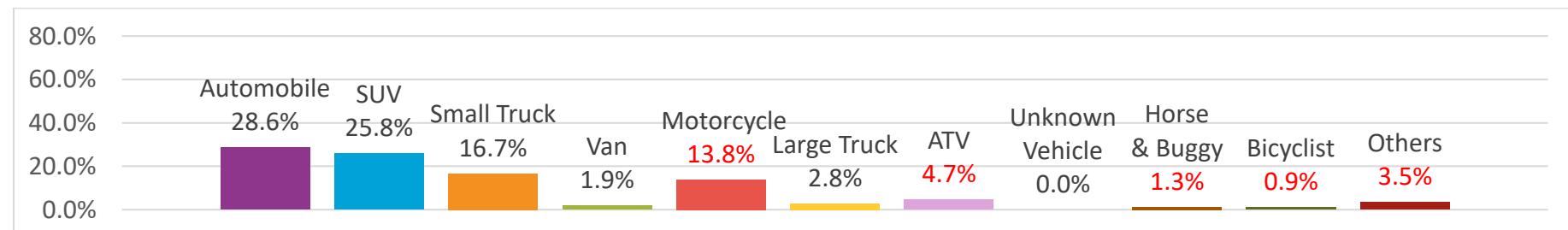


Figure 13 – Crawford County Vehicle Types Breakdown - Percentages (2019 – 2023) – for Fatal & Serious Injury Crashes



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Contributing Factors

There are many different factors that may contribute to a crash. A summary of some key county-wide contributing factors is provided below:

Figure 14 – Crawford County Crashes – Contributing Factors Breakdown - Percentages (2019 – 2023)

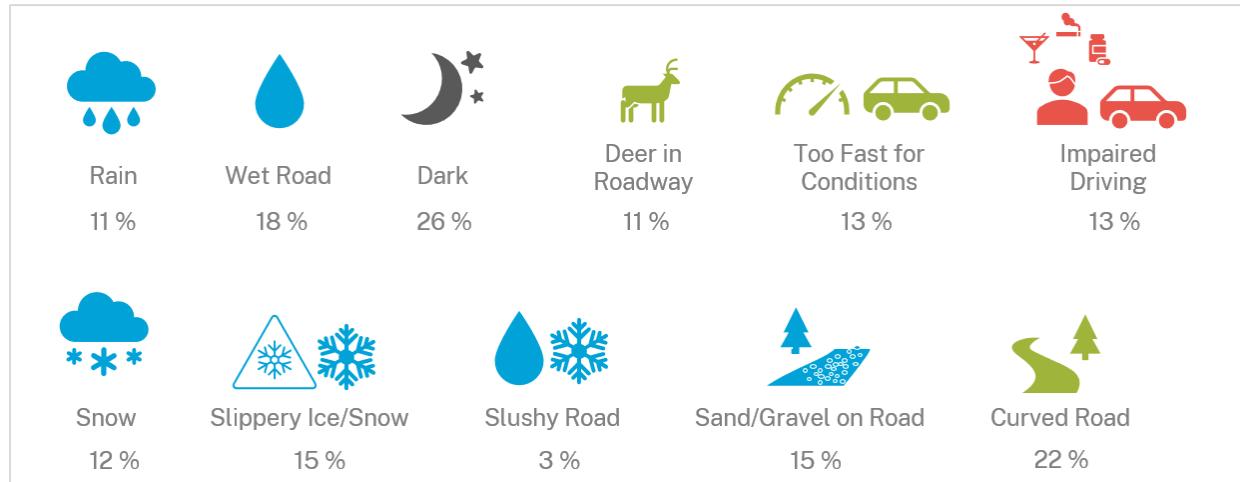
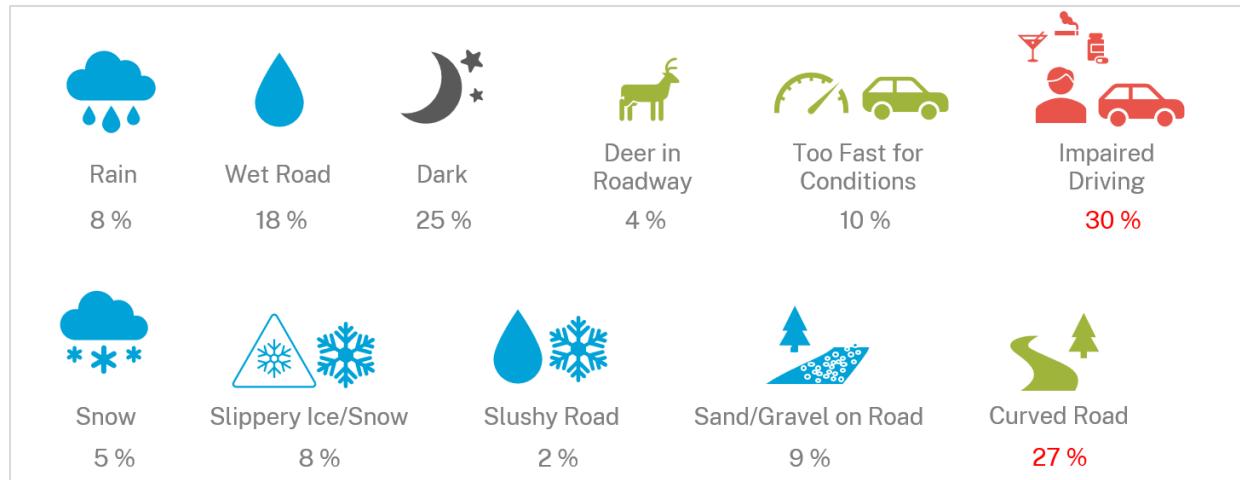


Figure 15 – Crawford County Crashes – Contributing Factors Breakdown - Percentages (2019 – 2023) – for Fatal & Serious Injury Crashes



High Injury Network (HIN)

A High Injury Network (HIN) is a small proportion of all roads in a region that account for a large proportion of the fatal and serious injury crashes.

High Injury Networks are used to help to focus resources on the areas that may have the most impact in reducing injury crashes where vulnerable road users are involved.

HIN Scoring

Each roadway segment was assigned a numerical score. This score is determined based on the number of historical crashes on the roadway segment from 2019 to 2023 and the severity of those crashes. The total score was then weighted based on the vulnerability of those involved in the crashes.

Crash Severity Weighting:

- Fatal crashes are weighted most heavily, then serious injury crashes, then property-damage-only (PDO) crashes.
- The specific factors for these weights are based on the relative comprehensive costs to the individual and society.

Vulnerability Weighting:

- Vulnerable Road User (VRU) crashes (that involved bicyclists or pedestrians) were weighted more heavily. *Note: PennDOT and FHWA consider bicyclists and pedestrians to be VRUs.*
- Crashes that involved horse & buggy were also weighted more heavily. *Note: For the purposes of the federally-funded Highway Safety Improvement Plan (HSIP), horses & buggies are not classified as VRUs.*

HIN Score

$$= (\# \text{fatal crashes} * 286 + \# \text{severe injury crashes} * 17.5 + \# \text{pdo crashes} * 1) * (3 * (\# \text{bikaped crashes} + \# \text{horsebuggy crashes}))$$

Network Development

Once the HIN scores have been assigned to each road segment, then a transportation safety engineer reviews these segment scores and identifies which roadway segments to include in the HIN.

The goal is to identify not just disparate roadway corridors or roadway segment locations, but a connected network of roadways that represent a relatively small proportion of the overall roadway miles, but a large proportion of the fatal and serious injury crashes.

Note 1: the full list of HIN scores for all roadway segments across the county has been provided to Crawford County.

Note 2: Because the federally-funded HSIP does not classify horses & buggies as VRUs, the full list of HIN scores without the horse & buggy weighting has also been provided to Crawford County.

Network Map

Crawford County's resulting HIN Map is shown on the following page in Figure 16. The online GIS map URL is: <https://tmp-map.s3.amazonaws.com/ss4a/crawford-sap.html>

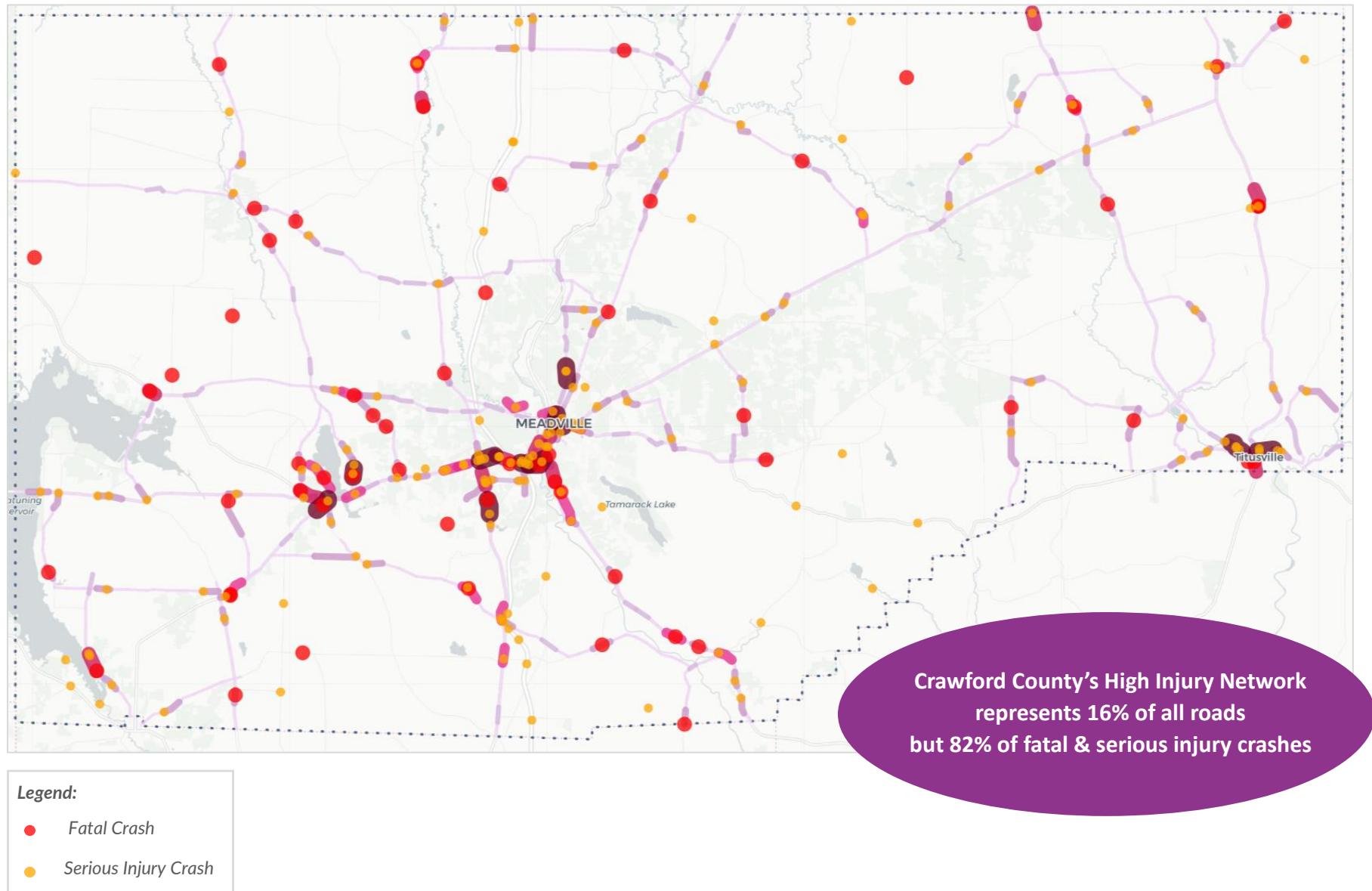
In the High Injury Network Map, the colors of the roadway segments represent the relative HIN scores:

- very thin & light purple = relatively smaller HIN score
- thick & purple = relatively moderate HIN score
- thick & red = relatively high HIN score
- very thick & maroon = relatively very high HIN score

The map also shows the fatal crashes (red dots) and serious injury crashes (orange dots).

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Figure 16 – High Injury Network (HIN)



HIN Statistics

The Crawford County HIN represents 16% of all roadway miles, but 61% of all crashes, 82% of the fatal and serious injury crashes, and 50% of the vulnerable road user crashes (bicyclists and pedestrians).

Essentially, the roadways included in the network are over-represented in the crash data. If county organizations were to focus safety efforts on the roadways in the network, they would be able to hopefully address an outsized portion of the county's transportation safety issues.

Figure 18 – High Injury Network Map Statistics

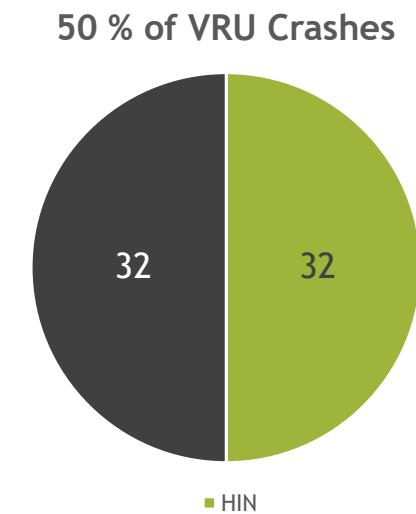
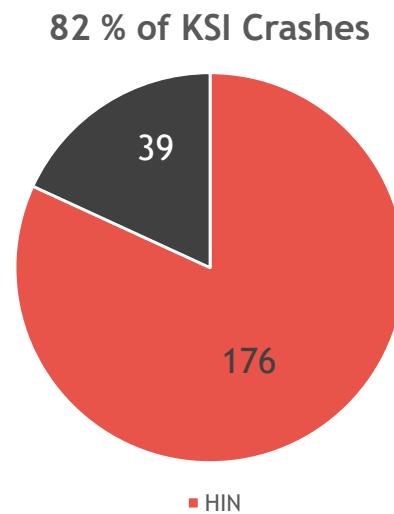
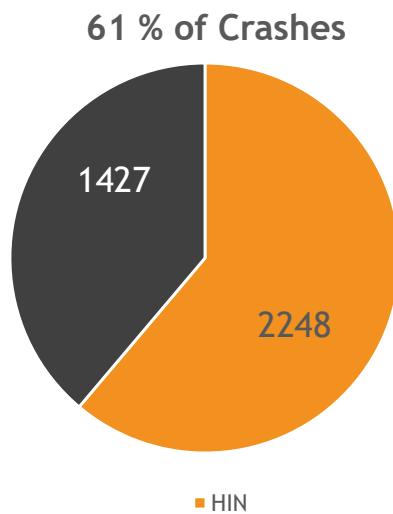
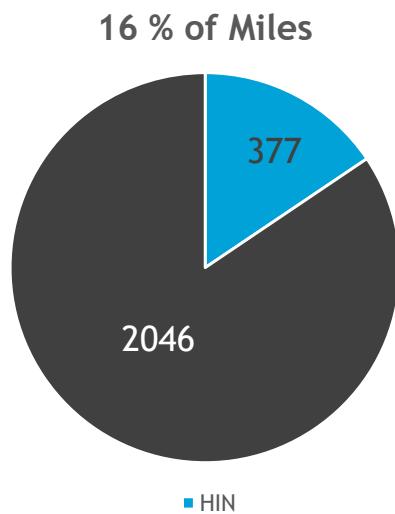


Figure 17 – Typical Rural Roadway Context in Crawford County



HIN Top 10 Locations List

The roadway segments with the ten highest HIN scores across the county are summarized in Table 1 and are shown, overlaid on the High Injury Network map, in Figure 19 on the following page.

Note: the list of top 20 HIN locations is included in the Appendix and the full list of HIN scores for all roadway segments across the county has been provided to Crawford County.

As part of this SAP, these top 10 locations were evaluated for specific safety countermeasures. The list of proposed countermeasures for each location is provided in the Appendix (Refer to the *Programs & Initiatives* section of this plan for more details on how these projects will move forward).

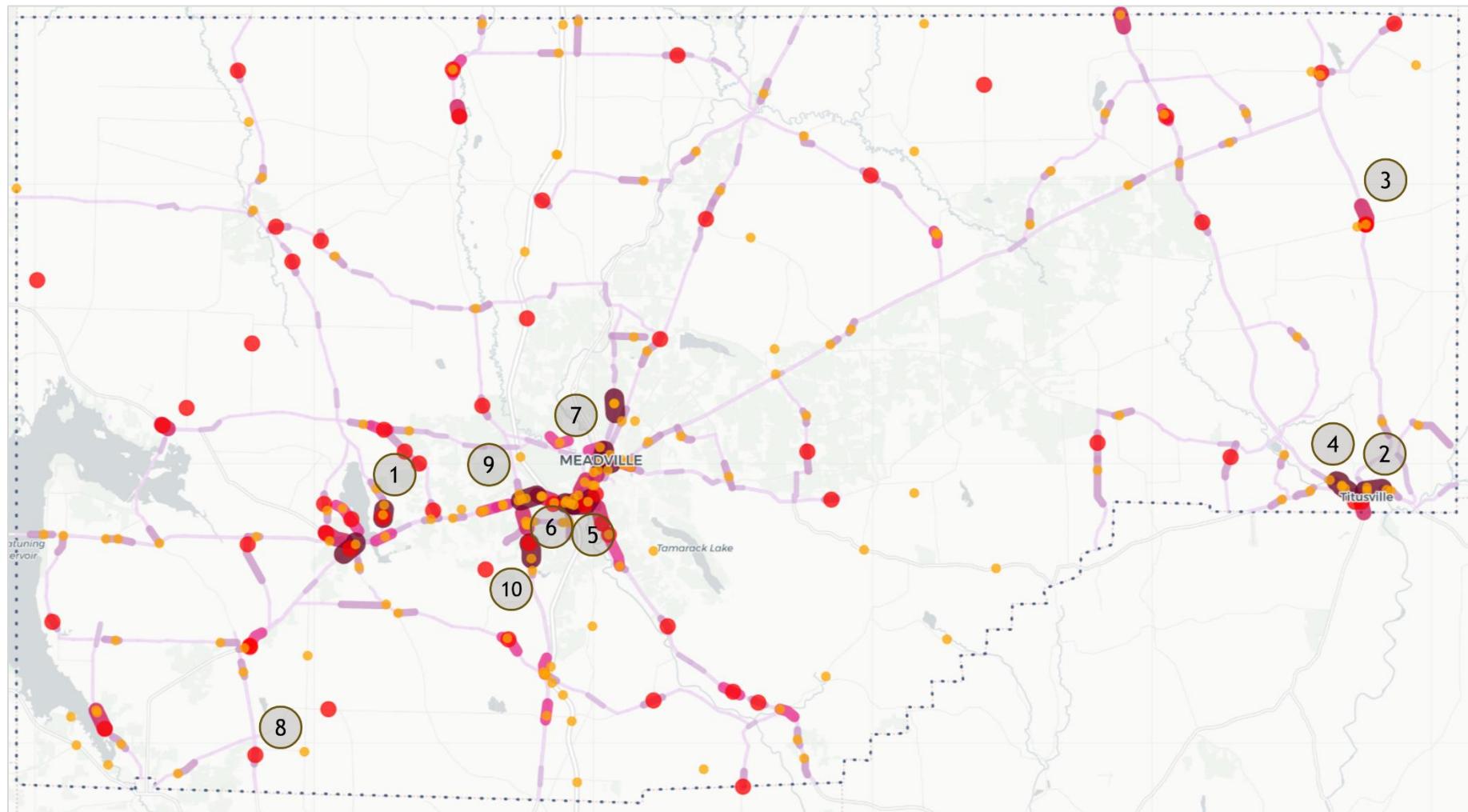
Table 1 – High Injury Network Top 10 Locations List

| Rank | Location | Road Name | Segment Extents | Length (Miles) | KSI* Crashes | VRU** Crashes | Horse & Buggy |
|------|-----------------|-----------------------------|---------------------------------------|----------------|--------------|---------------|---------------|
| 1 | Conneaut Lake | SR 18 | Shady Ave. and Edgeview Ave. | 0.3 | 2 | 2 | 0 |
| 2 | Titusville | SR 27 (Central Ave.) | Diamond St. and Caldwell St. | 0.6 | 1 | 3 | 0 |
| 3 | Buell's Corners | SR 89 | Fairview Rd. and Buells Corners Rd. | 0.6 | 3 | 0 | 1 |
| 4 | Titusville | SR 8 (Spring St.) | Schwartz Lane and West Central Ave. | 0.5 | 3 | 1 | 0 |
| 5 | Kerrtown | SR 6 EB (Smock Highway) | Mercer Pike and French Creek Bridge | 0.7 | 2 | 1 | 0 |
| 6 | Kerrtown | SR 6 EB (Smock Highway) | Pennsylvania Ave. and Mercer Pike | 0.3 | 2 | 1 | 0 |
| 7 | Meadville | SR 1001 (Park Ave.) | Baldwin St. and North St. | 0.3 | 1 | 1 | 0 |
| 8 | Adamsville | SR 18 (Main St.) | Atlantic Rd. and Salem Harwood | 0.5 | 1 | 0 | 2 |
| 9 | Vernon Twp. | SR 6 EB (Conneaut Lake Rd.) | Perry Highway and Dawn Drive | 0.6 | 2 | 1 | 0 |
| 10 | Vernon Twp. | SR 19 (Perry Hwy.) | Krider Rd./Bailey Rd. and Ridge Drive | 0.5 | 2 | 1 | 0 |

*KSI = Fatal and Serious Injury // **VRU = Vulnerable Road User

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Figure 19 – High Injury Network Map with Top 10 Locations



Legend:

- Fatal Crash
- Serious Injury Crash

Network Screening

In addition to the High Injury Network, another safety analysis source is the PennDOT District 1-0 Network Screening.

Overview

PennDOT has pursued statewide highway safety network screening efforts to provide PennDOT's Engineering Districts with robust data to support Highway Safety Improvement Program (HSIP) project selection and prioritization.

Network screening data uses both predictive crash data and historical crash data to assign a "score" to each roadway segment and intersection to convey whether the segment is seeing more crashes than expected based on roadway and traffic characteristics.

Application for SAP

Based on the predictive vs. historical vs. expected analysis approach, the networking screening results provide data that complements the HIN development very effectively.

While the HIN tends to be biased toward more urbanized areas (by weighing vulnerable road users more heavily and because urban roadway segments see more concentrated crash patterns over time than rural areas), the network screening results provide a means to calculate the urban scores based on the unique urban characteristics and the rural scores based on the unique rural characteristics. This allows the "scores" for roadway segments and intersections within both contexts to be more easily compared. This will also be particularly relevant when considering any systemic trends and countermeasures.

The county's networking screening list/profiles will be shared with the Steering Committee and relevant planning partners, as needed, to support collaboration on these other county safety needs.

Figure 20 – Townhall Road, East Fairfield Township



Systemic Safety Trends

In addition to the location-based high-injury network locations, the County has identified systemic safety issues (Table 2). These systemic trends represent issues that are present across the county's transportation system, not limited to a specific location.

Table 2 – Summary of Systemic Safety Trends

| | |
|--|--|
| Impaired Driving Crashes | Account for 13% of all non-interstate crashes (and 30% of the fatal & serious injury crashes). |
| Single Vehicle Run-Off-the-Road Crashes | Account for 50% of all non-interstate crashes (and 53% of the fatal & serious injury crashes). |
| Speeding-Related Crashes | Account for 23% of all non-interstate crashes (and 27% of the fatal & serious injury crashes). |
| Curved Road Crashes (Hit Fixed Object & Head On) | Account for 20% of all non-interstate crashes (and 24% of the fatal & serious injury crashes). |
| Unsignalized Intersection Crashes (e.g. Running Stop Sign, Proceed Without Clearance, and Improper/ Careless Turn) | Account for 23% of all non-interstate crashes (and 22% of the fatal & serious injury crashes). |

Impaired Driving Crashes

Impaired Driving is a significant transportation safety issue in Crawford County. They represent 30% of the fatal and serious injury non-interstate crashes. The breakdown for types of impairment is shown in Table 3 on the right.

Alcohol-Related Crashes Higher than Statewide Averages

Statewide, alcohol-related crashes (with at least one driver or pedestrian with reported or suspected alcohol use) accounted for 7% of total crashes in 2023. In Crawford County, alcohol-related crashes accounted for 11% of total crashes over the last five years.

Statewide, alcohol-related crash fatalities accounted for 25% of total crash fatalities in 2023. In Crawford County, alcohol-related crash fatalities accounted for 29% of total crash fatalities over the last five years.

Table 3 – Summary of Impaired Driving Statistics

| Impairment Type | All Crashes | Fatal/Serious |
|--------------------------|-------------|---------------|
| Drinking Driver | 10 % | 29 % |
| Drugged Driver | 4 % | 23 % |
| Marijuana Drugged Driver | 0.8 % | 15 % |
| Fatigued/Asleep Driver | 3 % | 4 % |

Strategies for Addressing Safety Issues

There are a variety of recommended strategies that can be leveraged: existing plans, policy changes, programs & initiatives, infrastructure & engineering, and organizational support.

Existing Plans

In addition to efforts at the federal level, PennDOT, the Northwest Commission, and Crawford County are working to develop plans, policies, and processes to address roadway safety issues. Below are a few examples that are impacting or will impact Crawford County.

Local Plans

Crawford Inspired

The 2024 County Comprehensive Plan, known as "Crawford Inspired", presents a data-driven, community-focused, forward-looking vision for the next decade. Crawford Inspired addresses the infrastructure and safety concerns related to the county's roads, bridges, and sidewalks, which were developed into one of the plan's primary goals: "Prosperity." Given the county's higher-than-average roadway fatalities, it is imperative to invest in public health across the county.

The plan includes policies focused on investing in community initiatives, specifically public health enhancements by implementing complete streets and active transportation strategies to mitigate serious injuries among pedestrians, cyclists, buggies, and drivers. Additionally, the plan seeks to leverage county resources to promote safe, affordable, and accessible travel within and between communities.

Meadville Active Transportation Plan

The Meadville Active Transportation Plan is an ongoing effort by the City of Meadville to improve Active Transportation throughout the City. Upon completion of the ATP, it is recommended that the City of Meadville coordinate with Crawford County Planning staff to identify and implement any projects that are identified in both the Safety Action Plan and ATP.

Ernst Trail Connections Feasibility Study

The feasibility study examines barriers that would need to be addressed to accommodate active transportation modes for commuting and recreational purposes and proposes conceptual alternatives to provide a few different options for the trail extension improvements. The study will allow for trail groups, counties, and municipalities to pursue grant funding and assistance to complete the proposed alternatives and improvements.

Although the study found the roadways currently are insufficient, there is potential if roadway improvements are made. In addition, ownership from Meadville/Vernon to Conneaut Lake has been secured, and the trail extension is underway. The trail group has proposed building a tunnel under US 19 to prevent conflicts and accidents between pedestrians/bicyclists and vehicles.

PA Route 27 Corridor Study

The study of the PA 27 corridor between the City of Meadville and the City of Titusville was developed in response to planning initiatives conducted by the Northwest Commission that identified various improvement needs within the study corridor related to safety and mobility. Prior planning efforts identified general areas of concern, but a more detailed level of analysis was required to suggest specific projects for the Transportation Improvement Program (TIP) and other funding sources. The overall goal of the study was to help the Northwest Commission and Crawford County identify capital project needs along PA 27.

The planning process identified 12 recommendations ranging from improving sight distance at several intersections, adding climbing lanes, and addressing crash clusters at three curves along the corridor. Now that the plan has been completed, the Northwest Commission continues to coordinate with Crawford County Planning and PennDOT to program the improvements identified.

Figure 21 – Bicycle Parking in Titusville



North Main Street Safety Improvement Study

This 2017 PennDOT study provides a brief description of existing conditions, safety assessment of potential improvements and locally preferred alternatives with a key focus on improving pedestrian safety and pedestrian-vehicle interactions along North Main Street (SR 0086) in Meadville. Prior to the study, PennDOT and the City of Meadville installed high-visibility crosswalks and additional pedestrian signing to enhance pedestrian safety. Based on historic crash trends, adjacent land uses, and discussions with multiple stakeholders, pedestrian safety is a major focal point of the project; therefore, most of the improvements that were considered focus on pedestrian safety.

In addition to the preferred short- and long-term alternatives that were identified in the study, immediate improvements were developed to improve safety along North Main Street in 2017. The study recommended that the short-term alternatives be implemented in three phases, as funding becomes available through 2027. The project phasing is interchangeable, but the improvements in the northern section of the corridor are expected to be the most impactful for changing near-term driver and pedestrian behavior.

Route 6/322/19 Study

The transportation and land use study was designed to promote safety and efficiency on the highway corridor that includes US 6, US 322, US 19, and SR 98 in Vernon Township. Proper land use and transportation planning will provide guidance to developers and improve safety and mobility, while preventing deficiencies due to an expected increased volume of traffic along the corridor.

As part of the plan, community planning, transportation, and multimodal improvement alternatives were developed to meet the project's goals and objectives. The improvement alternatives focused on addressing the main areas of concern that were identified throughout the planning process, including traffic flow, safety, and access for all modes of travel.

Regional Plans

Northwest RPO LRTP

The Northwest Rural Planning Organization's (RPO) most recent Long-Range Transportation Plan (LRTP) was adopted in March 2024. The plan includes strategies related to improving safety for non-motorized modes of transportation through PennDOT Connects and the project development processes, as well as evaluating highway crash cluster areas by accessing crash data to identify roadway corridors and intersections in need of safety improvements.

Identifying these locations through a data-driven approach can assist the County in identifying and recommending candidate Highway Safety Improvement Program (HSIP) projects. As an important first step in this charge, the RPO collaborated with Crawford County and PennDOT in administering the funding needed for the development of this Action Plan.

Northwest RPO Highway Safety Manual-Based Project Profiles

The Northwest RPO also developed Highway Safety Manual-based project profiles with a goal to advance the RPO's ability to incorporate explicit, quantitative considerations of safety into its planning and project development.

Each of the profiles provided a brief overview of the intersection, a 5-year crash analysis (2019-2023), and potential improvement considerations at each intersection. Two of these safety profiles were developed for Crawford County: 28th Division Highway & Adams Street / PA 173 and Perry Highway & Car Hill Road / Mullen Road.

PennDOT District 1-0 Highway Safety Plan (DHSP)

The District Highway Safety Plan (DHSP) is a resource that provides key information to facilitate decision-making based on safety and risk management strategies and principles. It summarizes the district's safety and risk management emphasis areas, its safety analysis activities and planning efforts, and its district safety improvement projects. Crawford County should work with PennDOT District 1-0 to identify overlapping opportunities.

PennDOT District 1-0 Highway Safety Network Screening

PennDOT has pursued statewide highway safety network screening efforts to provide PennDOT districts with robust data to support safety decisions. Network screening data uses both predictive crash data and historical crash data to assign a "score" to each roadway segment and intersection to convey whether the segment is seeing more crashes than expected based on the roadway characteristics. The county's networking screening list/profiles will be shared with the Steering Committee and relevant planning partners, as needed, to support collaboration on these other county safety needs.

Figure 22 – Roundabout in Saegertown



Statewide Plans

PennDOT Strategic Highway Safety Plan

In 2022, PennDOT updated its Strategic Highway Safety Plan (SHSP) in collaboration with federal, state, and regional partners. A state's SHSP is a critical requirement for participating in the federal Highway Safety Improvement Program. HSIP provides funding for safety projects with the goal of reducing fatalities and serious injuries on public roads through 2027.

The plan targets priority emphasis areas and safety focus areas that have the most influence on improving highway safety statewide. Among the state's priority emphasis areas include:

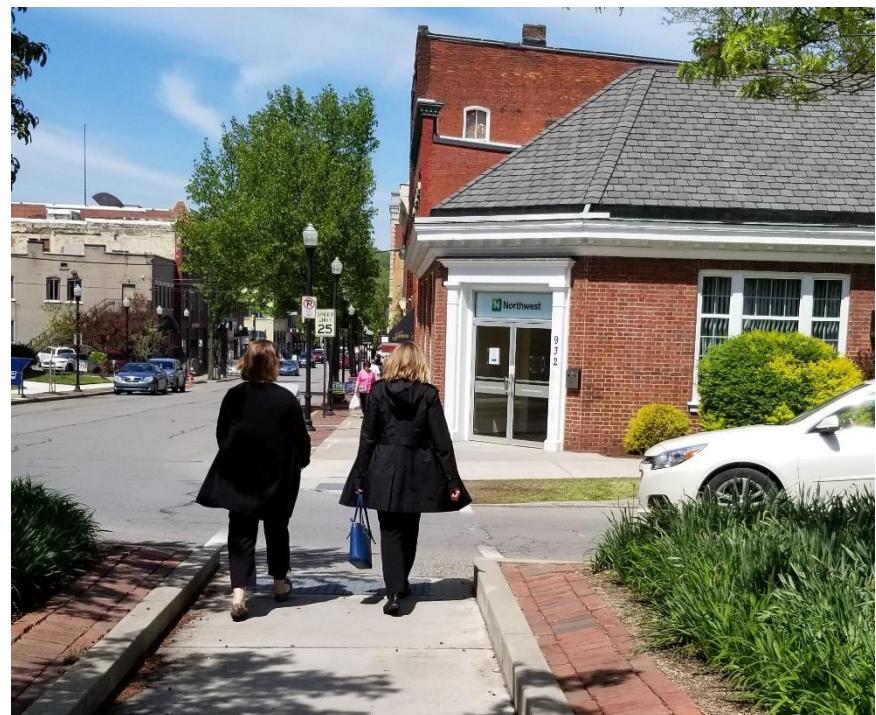
- **Pedestrian Safety** – Walking is the most fundamental form of transportation used by people of all ages and physical abilities. While the total number of fatalities has been trending down in Pennsylvania, pedestrian fatalities have been marginally increasing and account for 14 percent of the statewide fatalities each year. Active Transportation is on the rise and is being promoted across all areas of the state, from urban centers to small rural towns. This has resulted in increasing pedestrian activity, making it more likely to have collisions with motor vehicles.
- **Lane Departure Crashes** – Pennsylvania sustains more fatalities and serious injuries each year due to vehicles departing their travel lane compared to any other crash type. A lane departure crash occurs when a vehicle crosses the edge line or center line of a roadway. Two-thirds of all fatal and serious injury lane departures include a collision with a fixed object, most commonly, trees, utility poles, embankments, and guiderails.
- **Impaired Driving** – Crashes involving an individual driving under the influence of drugs or alcohol have been a top concern in PA since the first edition of the SHSP in 2006. While fatalities involving alcohol have been decreasing over

the past 15 years, drug-related fatalities have increased in recent years. Alcohol, marijuana, opioids, and other drugs impair the ability to drive due to slow coordination, judgment, and reaction times. Driving while impaired by any substance (legal or illegal) puts all roadway users in harm's way and continues to account for approximately 1 of every 3 roadway fatalities.

PennDOT Vulnerable Road User Safety Assessment Report:

PennDOT also recently completed its Vulnerable Road User (VRU) Safety Assessment Report. This assessment is required under the federal Infrastructure Investment and Jobs Act (IIJA) and has been added to the 2022 SHSP as an appendix. The assessment developed a plan for improving pedestrian and cyclists' safety through targeted and system improvements.

Figure 23 – Pedestrians in Meadville



Policy Changes

To build on the commitment established by the County Commissioners in June 2025 to eliminate roadway fatalities and serious injuries by 2035, the project team proposes recommendations on a variety of new policies and process changes to help eliminate fatal and serious injury crashes. These policies can be either standalone or incorporated into other plans and guidelines.

Crawford County Complete Streets Policy: Complete Streets refers to the principle of designing streets with all road users (pedestrians, bicyclists, transit users, and drivers) in mind. As identified in Crawford Inspired, the County should consider developing and adopting a complete streets policy and design standards that include the following:

- **Design Standards:** Complete streets design treatments (i.e., safety countermeasures) and design treatment suitability matrix for different street types, and ensure compliance with modern ADA (Americans with Disabilities Act) requirements.
- **Performance measures:** Measures that can gauge the success of the Complete Streets Policy. These performance measures should align with the annual outcomes and implementation measures outlined in the annual performance report discussed in the Progress & Transparency section.
- **Process:** Formalizing the process for coordination between the County and local municipalities on roadway improvements and alignment with County plans, along with collaboration with stakeholders.

Incorporate Complete Streets Design Standards into routine maintenance and improvement projects: Crawford County should work with the Northwest RPO and PennDOT to incorporate Complete Street Design Principles into future road repair and improvement projects where feasible. For example, an intersection improvement in Meadville could be a prime opportunity to install bump-outs.

Crawford County Active Transportation Policy: Active transportation remains an essential priority throughout the commonwealth to ensure safe transportation options for all individuals. Crawford County should consider incorporating a countywide active transportation policy to mitigate conflicts between vehicles and users of alternative modes of transportation.

Crawford County Access Management Policy: Access management is the coordinated planning, regulation, and design of access between roadways and land development. Its goal is to promote the efficient and safe movement of people and goods by reducing conflicts on the roadway system with other modes of travel. Without access management policies, traffic safety and operations can deteriorate rapidly. In coordination with PennDOT, the Northwest RPO, and local municipalities, Crawford County should work to incorporate access management measures into the land development process to ensure roadways continue to be safe for all users and provide good mobility. Potential resources include the PennDOT [Access Management Model Ordinances Handbook](#) (2006) and the PA Governor's Center for Local Government Services has created an [Access Management Fact Sheet](#) (2019).

Efforts to increase awareness and connect Land Use Planning to Transportation Planning: Although crash data does not specifically identify conflicts between land use and transportation planning, trends have been developed identifying specific land use trends that contribute to certain crash types. For example, having bars and restaurants outside of downtown areas has forced individuals to drive to and from bars, which has resulted in Impaired driving crashes on the county's more rural roadways. Proper coordination to better concentrate these types of uses within Meadville and the county's boroughs could help reduce the number of crashes. The Crawford County Planning Department should consider providing additional support to municipalities to better align land use planning with the transportation process that is taking place at the county and the Northwest RPO

Programs & Initiatives

In addition to these projects and systemic strategies, the following programs and initiatives will help to improve safety.

Impaired Driving

Pennsylvania has a statewide task force that has developed a comprehensive Strategic Plan to Reduce Impaired Driving.

Given that impaired driving crashes represent 30% of fatal and serious injury crashes each year and engineering countermeasures are only so effective, the following programs and initiatives are also recommended.

Intervention Programs

Sober Ride Home Program: With impaired driving crashes resulting in 13% of all non-interstate crashes and 31% of Fatal or serious injury crashes, the Sober Ride Home Program would deliver an easily accessible and cost-effective rideshare alternative to driving under the influence, targeting patrons of businesses serving alcoholic beverages.

A Sober Ride Home Program would partner with established transportation network companies (TNCs) to offer on-demand transportation services during peak times when impaired driving crashes are occurring in a specified service area, targeting individuals who have consumed alcohol.

Sober Ride Home would provide users with easy access to a ride home, greatly increasing the user's personal safety and the overall safety of all community members and transportation system users, while decreasing the occurrence of DUI-related crashes and fatalities.

Educational Programs

Educational programs and initiatives are campaigns, awareness efforts, or events focused on changing behaviors to prevent or mitigate roadway crashes.

There are several educational programs that could be promoted by organizations throughout Crawford County, which include:

Community Traffic Safety Projects is a program that supports the State Highway Safety Office by generating earned media, coordinating mobilization, providing police outreach and training, leading educational programs for schools and the public related to impaired driving, while providing outreach on other safety focus areas.

PA Students Against Destructive Decisions mission is to empower young people to successfully confront the risks and pressures that they face, including issues of underage drinking, substance use and abuse, and impaired driving. There are currently over 650 chapters of Students Against Destructive Decisions throughout the state of Pennsylvania. The program website provides more information:

<https://www.sadd.org/pennsylvania>. Crawford County staff should promote and share information about Students Against Destructive Decisions to encourage participation from youth across the County.

Funding Opportunities

PennDOT Behavioral Highway Safety Grants is a program that provides competitive grants to support planning, infrastructure, behavioral, and operational initiatives to prevent death and serious injuries on roads involving all roadway users, including bicyclists and pedestrians. Crawford County should work with its local municipal partners and non-profit organizations to pursue grant opportunities that support initiatives to prevent roadway fatalities or serious injuries. The program website provides more information:

<https://www.pa.gov/services/penndot/apply-for-penndot-behavioral-highway-safety-grants.html>.

Enforcement Initiatives

Enforcement initiatives are deployed by agencies and employees responsible for enforcing laws, maintaining public order, and managing public safety. Like the educational programs, these initiatives are focused on impaired driving crashes.

There are two recommendations related to enforcement: using crash data to identify sobriety check locations and completing statewide law enforcement training:

Using Crash Data to identify sobriety check locations is an effective way to determine potential areas for law enforcement to set up checkpoints. In addition to reviewing crash data, reviewing data from the Pennsylvania Liquor Control Board that identifies establishments serving alcohol. Overlaying the impaired driving crashes with the Liquor license establishments can provide an understanding of where effective sobriety check point locations can be set up by law enforcement.

Completing Statewide Law Enforcement Training: Providing and conducting roadway safety training for law enforcement officials is critical to achieving the safety goals of this plan. For impaired driving crashes, the most effective strategies are enforcement based, so providing adequate police training specific to this issue is important. The comprehensive Strategic Plan to Reduce Impaired Driving prepared by the statewide task force outlines specific training, including:

- Drug recognition experts to detect impaired motorists,
- Advanced roadside impaired driving enforcement,
- Standardized Field Sobriety Test by the National Highway Traffic Safety Administration, and
- Sobriety Check Points.

Figure 24 – Crawford County Courthouse in Meadville



Infrastructure & Engineering

Infrastructure and/or engineering projects are a key part of addressing roadway safety issues.

Projects

Engineering countermeasure profiles have been developed for each of the top 10 HIN locations (provided in the Appendix). These profiles list proposed countermeasures and identify any existing, related planning efforts.

Project Summaries

The projects from these countermeasure profiles are also summarized in a supplemental table that includes key project information, such as:

- Lead Organization/Agency
- Supporting Organizations/Agencies
- Potential Time Range for Deployment
- Planning-Level Cost Estimate Range
- Potential Funding Source(s)

Refer to the *Organizational Support* section for the recommended process to move these projects forward.

Systemic Infrastructure Strategies

There are a variety of infrastructure strategies that can be applied systemically (i.e., across the system, not just individual locations).

The Crawford County Countermeasure Toolkit for Systemic Issues (*provided in the Appendix*) provides a menu of effective infrastructure countermeasures that can be applied systemically to address systemic issues, along with recommended communications and engagement best practices for moving safety efforts forward.

Figure 25 – Sidewalk Construction Project in Springboro



Organizational Support

The Crawford County Safety Action Plan will be implemented through collaborative organizational processes.

Safety Action Plan (SAP) Coalition

The County will form a coalition to advance the Crawford County Safety Action Plan (SAP). This group will provide additional structure and accountability to the SAP's implementation. See the *Appendix for a draft charter outlining coalition responsibilities*.

Coalition Members

This SAP Coalition will be chaired by Crawford County Planning and will include representatives from the following organizations:

- Crawford County Staff (Planning and Public Safety)
- PennDOT District 1-0
- Northwest PA Regional Planning & Development Commission
- Crawford County Public Safety Commission
- Cities (Meadville & Titusville)
- PA State Association of Boroughs
- PA State Association of Township Supervisors

Other local/regional entities will be invited to participate in coalition meetings, as needed.

Coalition Meetings

This group will meet biannually to review plan implementation progress, strategize on project efforts and funding requests, review and discuss annual crash trends, and more. Meetings are anticipated to be held in July/August and in January/February of each year.

Note: the initial frequency of these coalition meetings will be higher, due to the kickoff and start-up activities outlined in the following section.

**Safety Action Plan
Coalition**
Chaired by Crawford County

**Representatives from
Key Organizations**

Biannual Meetings
July/Aug + Jan/Feb

Initial Coalition Process for Moving Infrastructure Projects Forward

The Crawford County SAP Coalition will need to complete some initial next steps to begin advancing the High Injury Network (HIN) Top 10 Location projects. The recommended initial process to move the projects forward is summarized below in *Table 4*.

Table 4 – SAP Coalition's Initial Process

| Step | Action | Description |
|------|----------------------------|---|
| A | Local Leader Engagement | Coalition members will have informational meetings with the local officials for the ten project locations to share findings, discuss countermeasures, build alignment, and refine the project's countermeasures approach. |
| B | Project Prioritization | Coalition members will review and prioritize the refined projects, documenting the prioritization process and criteria. |
| C | Project Funding Evaluation | Coalition members will evaluate the funding opportunities and/or gaps for the projects and identify the highest priority projects (for which the Coalition will pursue funding first). |
| D | Project Plans & Leaders | For each of the high-priority projects, coalition members will work with local officials to map out the major steps to advance the project activities (with milestone timelines) and identify a project leader who will take point on coordinating these next steps. |
| E | Status Accountability | Coalition members will provide accountability by reviewing and discussing the status of the high-priority projects during the regular coalition meetings. |
| F | Evaluations | Coalition members will review crash data (and perform site visits, as needed) following the implementation of countermeasure projects to evaluate whether safety conditions have improved and to determine whether additional countermeasures are needed. |
| G | Additional Projects | As the high-priority projects are addressed, coalition members will revisit the list of HIN Top 10 Locations to identify the next projects to tackle. <i>Coalition members will also review current crash data trends on a regular basis (annually) to determine whether any new HIN locations need to be considered.</i> |

Crawford County Staffing Support

In addition to leading the SAP Coalition, Crawford County staff will take a leading role in advancing many of the existing plans, policy changes, programs & initiatives, and infrastructure & engineering strategies that are identified in this SAP.

These efforts are significant and important and will ultimately require a dedicated time commitment from Crawford County staff. In order to fully support these efforts, Crawford County would benefit greatly from having dedicated transportation planning-related staff.

Figure 26 – Crawford Area Transportation Authority (CATA) Bus



Progress & Transparency

As Crawford County transitions from planning phases to implementation, it is essential to recognize that “planning” comprises only a portion of the planning process. The more substantive work involves executing the SAP’s recommendations and following through on reporting and measuring progress.

For the Safety Action Plan to be truly effective and for the Crawford County Commissioners and planning staff to be held accountable, the County has developed an implementation plan that includes strategies and targets to track the performance and progress being made. Crawford County is dedicated to implementing the SAP recommendations and will endeavor to sustain the momentum for successful execution. This will be achieved through a multi-pronged approach, including the development and convening of a Safety Action Plan Coalition, which will be tasked with various roles and responsibilities in guiding and monitoring plan implementation. Their work will be documented in an annual performance report to convey both performance and progress.

Measuring Progress

To support the Safety Action Plan’s implementation, this section provides a complete list of implementation strategies, which outline a tactical approach for advancing the SAP’s vision by specifying tangible actions to be taken to ensure progress. The implementation plan is organized around three major headings, including: Policy Changes; Programs & Initiatives, and Engineering. Each strategy notes who the lead implementing agency would be, along with a series of targets to be achieved through the SAP horizon year of 2035.

The Crawford County Planning Department will use the implementation plan as part of developing and maintaining an annual “performance report” that summarizes the performance and progress made over the past year. The adage “the things that get measured are the things that get done” is apt, since county government is increasingly giving more emphasis on performance-based planning and programming. Such reporting will help ensure accountability while providing flexibility for adjustments in certain approaches. It is recommended that the performance report be shared with members of the Coalition and County Administration for input and review. Additionally, the report should be added as an appendix to the Planning Commission’s Annual Report.

Tracking Performance

The implementation of this plan will start in the fourth quarter of 2025, with the first step in the process being the development of a Safety Action Plan Coalition. The following table (*Table 5*) displays the action strategies, the lead agency responsible, the timeline, funding sources, and targets. The working version of the action plan will include “at-a-glance” icons that convey status...whether the action item is “Complete (and Ongoing),” “In Progress,” “Forthcoming,” or “Demands Attention” – as shown below.

-  **Complete**
-  **Complete & Ongoing**
-  **In Progress**
-  **Forthcoming**
-  **Demands Attention**

Crawford County Safety Action Plan

Table 5 – SAP Strategy Implementation

| Strategy Type | Strategies | Lead | Timeline | Eligible Funding Sources ¹ | Targets | Status |
|--------------------------|---|-------------------------------------|-----------|---------------------------------------|---|--------|
| Policy | Develop a Complete Streets Policy | Crawford County Planning Department | 4-7 years | 5, 8 | Year 4 - Strategy Development Year 5 - Policy completed Year 7 - 20 percent of municipalities adopt the policy | |
| Policy | Develop a Countywide Active Transportation Policy | Crawford County Planning Department | 1-2 years | 5, 8 | Year 1 - Strategy Development Year 2 - Policy completed Year 5 - 20 percent of municipalities adopt the policy | |
| Policy | Develop an Access Management Policy | Crawford County Planning Department | 1-3 years | 5, 8 | Year 1 - Strategy Development Year 3 - Policy completed Year 5 - 20 percent of municipalities adopt the policy | |
| Policy | Context Sensitive Road Design and Operations Policy | Crawford County Planning Department | 4-7 years | 5 | Year 4 - Strategy Development Year 5 - Policy completed Year 7 - 20 percent of municipalities adopt the policy | |
| Policy | Develop a Countywide Growth Management Plan | Crawford County Planning Department | 4-7 years | 7 | Year 4 - Strategy Development Year 6 - Plan completed Year 7 - 20 percent of municipalities adopt the plan's growth areas | |
| Programs and Initiatives | Develop SAP Coalition | Crawford County Planning Department | 1 year | 13 | Year 1 - Coalition assembled and begins monitoring and reporting on SAP implementation | |
| Programs and Initiatives | Sober Ride Home Program | Crawford County Planning Department | 1-3 years | 4, 5 | Year 1 - Apply for SS4A Demo Grant Year 3 - Program Launched; data added to data hub | |

¹ See Eligible Funding Sources Key below table

Crawford County Safety Action Plan

Table 5 Continued...

| Strategy Type | Strategies | Lead | Timeline | Eligible Funding Sources ¹ | Targets | Status |
|--------------------------|---|--------------------------------------|-----------|---------------------------------------|--|--------|
| Programs and Initiatives | Community Traffic Safety Project | Coalition/ PSP/ PennDOT | 1-3 years | 3, 13 | Year 1 - Launch community education campaign Year 2 - Implement 2+ enforcement campaigns Year 3 - Publish county traffic safety report | |
| Programs and Initiatives | Impaired Driving Program | Coalition/ PSP/ Local Police | 1-2 years | 13 | Year 1 - Program Development Year 2 - Program Implemented | |
| Programs and Initiatives | Students Against Destructive Decisions Outreach | PennDOT/ Coalition | 1-2 years | 13 | Year 1 - Coordinate with Local Chapter Year 2 - Promote Awareness | |
| Programs and Initiatives | PennDOT Behavioral Highway Safety Grants | Crawford County Planning Department | 3-5 years | 3, 13 | Year 3 - Identify priorities Year 4 - Apply for grants Year 5 - Implementation | |
| Engineering | Run-off-Road | PennDOT District 1-0/ Municipalities | 1-5 years | 1, 2, 6, 9, 11 | Year 1 - Prioritize locations Year 2 - XX locations addressed Year 5 - XX locations addressed | |
| Engineering | Speeding | PennDOT District 1-0/ Municipalities | 1-5 years | 1, 2, 6, 11 | Year 1 - Prioritize locations Year 2 - XX locations addressed Year 5 - XX locations addressed | |
| Engineering | Curved Road | PennDOT District 1-0/ Municipalities | 1-5 years | 1, 2, 6, 9, 11 | Year 1 - Prioritize locations Year 2 - XX locations addressed Year 5 - XX locations addressed | |
| Engineering | Unsignalized Intersections | PennDOT District 1-0/ Municipalities | 1-5 years | 1, 2, 6, 11 | Year 1 - Prioritize locations Year 2 - XX locations addressed Year 5 - XX locations addressed | |
| Engineering | HIN Top 10 Location Projects | Coalition | 1-5 years | 1, 2, 6, 9, 10 | Year 1 - Steps A thru D ² Year 2+ - Steps E thru G ² | |

¹ See Eligible Funding Sources Key below table

² In the “Initial Coalition Process for Moving Infrastructure Projects Forward” section

| Eligible Funding Sources Key | |
|------------------------------|---|
| 1 | Highway Safety Improvement Program (HSIP) |
| 2 | Low-Cost Safety Improvement Program (LCISP) |
| 3 | PennDOT Behavioral Highway Safety Grant |
| 4 | Highway Safety Grant Programs (NHTSA) |
| 5 | Safe Streets and Roads for All Planning and Demonstration Grant |
| 6 | Safe Streets and Roads for All Implementation Grant |
| 7 | Municipal Assistance Program (MAP) |
| 8 | Better Utilizing Investments to Leverage Development (BUILD) |
| 9 | TIP (Various, depending on eligibility) |
| 10 | CDBG |
| 11 | ACT 13 (local transportation infrastructure) |
| 12 | Green Light-Go Program (GLG) |
| 13 | County General Fund |

**It should be noted that the regional TIP is not a funding source per se, but a planning document developed and maintained by the Northwest RPO documenting how regional transportation projects using state and federal dollars will be funded. The TIP includes approximately a dozen different funding programs, from the National Highway Performance Program (NHPP) to the Highway Safety Improvement Program (HSIP). The Northwest TIP for 2027-30 is estimated to be valued at approximately \$222.7 million when it is expected to be approved by the RPO and the State Transportation Commission (STC) during the summer of 2026.*

Appendix

A. Crawford County Vision Zero Resolution

B. High Injury Network List – Top 20

- With Horse & Buggy Crashes
- Without Horse & Buggy Crashes

C. High Injury Network Top 10 Locations -
Countermeasure Profiles

D. High Injury Network Top 10 Locations -
Countermeasure Profile Project Tables

E. Infrastructure and Engineering Countermeasure
Toolkit for Systemic Issues

F. Crawford County SAP Coalition Charter

A. Crawford County Vision Zero Resolution



Eric Henry
Chairman
Scott T. Schell
Vice-Chairman
Christopher R. Seeley
Secretary/Treasurer

Commissioners Office
903 Diamond Park
Courthouse
Meadville, Pennsylvania 16335

Brittany Johnston
Chief Clerk
Keith A. Button
Solicitor

Resolution

10 of 2025

ADOPTING A GOAL TO ELIMINATE TRAFFIC DEATHS AND SERIOUS INJURIES BY 2035 AND ENDORSING A SAFE STREETS AND ROADS FOR ALL (SS4A) SAFETY ACTION PLAN AS A COMPREHENSIVE AND HOLISTIC APPROACH TO ACHIEVING THIS GOAL

WHEREAS, Crawford County's comprehensive plan, Crawford Inspired, crafted a community-wide vision that aspires to create a place that appeals to and retains people by focusing on community priorities like the support of healthy living; and

WHEREAS, according to data from the Pennsylvania Department of Transportation (PennDOT), there were 3,675 traffic collisions in Crawford County between 2019 and 2023; and

WHEREAS, during that same period, there were 58 Fatalities and 157 Suspected Serious Injury Crashes in Crawford County; and

WHEREAS, one death or serious injury in Crawford County is one too many, and County officials, Planning Commission, and departmental leadership are dedicated to strategies that aim to reduce and eliminate deaths and serious injuries in the County; and

WHEREAS, Safe Streets and Roads for All (SS4A) is a public health-based traffic safety program to reduce and eventually eliminate traffic deaths and serious

injuries using a data-driven, multi-disciplinary, and safe systems approach that also increases safe, healthy, equitable mobility for all; and

WHEREAS, SS4A recognized that while human error will always occur, a combination of engineering, education, and enforcement measures can reduce collisions and prevent collisions from causing death or serious injuries; and

WHEREAS, simple design solutions, such as road safety audits, traffic calming elements, leading pedestrian intervals, variable speed limits, bicycle lanes, and other Proven Safety Countermeasures, can reduce fatal and serious injury crashes.

NOW, THEREFORE, BE IT RESOLVED BY THE CRAWFORD COUNTY BOARD OF COMMISSIONERS that on the 11 day of June, 2025:

Section 1: That the Crawford County Commissioners hereby adopt a goal of eliminating traffic deaths and serious injuries by 2035 and endorse a Safe Streets and Roads for All (SS4A) Safety Action Plan as a comprehensive and holistic approach to achieving this goal; and

Section 2: That through better planning, engineering, education, and enforcement, the action plan should, without limitation, include the following:

- Crash data and identification of a high injury network (HIN);
- Prioritized project list for implementation;
- Framework for evaluation of outcomes.

Section 3: The project list identified in the SS4A Safety Action Plan will be considered for inclusion in future SS4A Implementation grants and other regional, state, or federal funding programs.

Section 4: The County staff will allocate a section of the Crawford County Planning Annual report to highlight progress toward the SS4A goals, tracking process, and outcome metrics, to be defined in the SS4A Safety Action Plan.

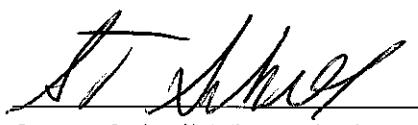
Section 5: District 1 of the Pennsylvania Department of Transportation should be provided copies of the SS4A Safety Action Plan for inclusion as a resource when evaluating design and construction investments proposed across Crawford County.

Section 6: Municipalities across Crawford County should be provided copies of the SS4A Safety Action Plan to encourage collaboration and proactive countermeasures to improve the safety of our transportation network, which local governments have a vital role in maintaining and owning.

CRAWFORD COUNTY BOARD OF COMMISSIONERS



Eric Henry, Chairman



Scott Schell, Vice-Chairman

A T T E S T:

Christopher Seeley, Secretary



Brittany Johnson, Chief Clerk

B. High Injury Network List – Top 20

- With Horse & Buggy Crashes
- Without Horse & Buggy Crashes

High Injury Network Top 20 Locations List – with Horse & Buggy Crashes

| Rank | Location | Road Name | Segment Extents | Length (Miles) | KSI* Crashes | VRU** Crashes | Horse & Buggy |
|------|-----------------|-------------------------------|--|----------------|--------------|---------------|---------------|
| 1 | Conneaut Lake | SR 18 | Shady Ave. and Edgeview Ave. | 0.3 | 2 | 2 | 0 |
| 2 | Titusville | SR 27 (Central Ave.) | Diamond St. and Caldwell St. | 0.6 | 1 | 3 | 0 |
| 3 | Buell's Corners | SR 89 | Fairview Rd. and Buells Corners Rd. | 0.6 | 3 | 0 | 1 |
| 4 | Titusville | SR 8 (Spring St.) | Schwartz Lane and West Central Ave. | 0.5 | 3 | 1 | 0 |
| 5 | Kerrtown | SR 6 EB (Smock Highway) | Mercer Pike and French Creek Bridge | 0.7 | 2 | 1 | 0 |
| 6 | Kerrtown | SR 6 EB (Smock Highway) | Pennsylvania Ave. and Mercer Pike | 0.3 | 2 | 1 | 0 |
| 7 | Meadville | SR 1001 (Park Ave.) | Baldwin St. and North St. | 0.3 | 1 | 1 | 0 |
| 8 | Adamsville | SR 18 (Main St.) | Atlantic Rd. and Salem Harwood | 0.5 | 1 | 0 | 2 |
| 9 | SW Meadville | SR 6 EB (Conneaut Lake Rd.) | Perry Highway and Dawn Drive | 0.6 | 2 | 1 | 0 |
| 10 | SW Meadville | SR 19 (Perry Hwy.) | Krider Rd./Bailey Rd. and Ridge Drive | 0.5 | 2 | 1 | 0 |
| 11 | Meadville | SR 1001 (Park Ave.) | Gasteiger Rd. and Park Ave./Doughty Ave. | 0.5 | 2 | 1 | 0 |
| 12 | Conneaut Lake | SR 322 (State St.) | Water St. and Marshall St. | 0.6 | 2 | 1 | 0 |
| 13 | Meadville | SR 27 (North St.) | Park Ave. and State St. | 0.3 | 0 | 3 | 0 |
| 14 | Meadville | SR 1001 (Park Ave. Extension) | Poplar St. and North St. | 0.5 | 1 | 1 | 0 |
| 15 | SW Meadville | SR 6 EB (Conneaut Lake Rd.) | Dawn Dr. and I-79 | 0.6 | 1 | 1 | 0 |
| 16 | S Meadville | SR 322 (Cochranton Rd.) | North of McHenry St. | 0.6 | 1 | 1 | 0 |
| 17 | Meadville | SR 2012 (Chestnut Rd.) | South Main St. and Ernst Pl. | 0.5 | 1 | 1 | 0 |
| 18 | SW Meadville | SR 19 (Perry Highway) | McMath Ave. and Patricia Rd. | 0.5 | 3 | 0 | 0 |
| 19 | S Titusville | SR 8 (Franklin St.) | Dewey Rd. and St. John St. | 0.4 | 1 | 1 | 0 |
| 20 | Conneaut Lake | SR 6 (Water St.) | West of SR 618 and East of Ninth St. | 0.7 | 1 | 1 | 0 |

*KSI = Fatal and Serious Injury // **VRU = Vulnerable Road User

High Injury Network Top 20 Locations List – without Horse & Buggy Crashes

| Rank | Location | Road Name | Segment Extents | Length (Miles) | KSI* Crashes | VRU** Crashes | Horse & Buggy |
|------|----------------|-------------------------------|--|----------------|--------------|---------------|---------------|
| 1 | Conneaut Lake | SR 18 | Shady Ave. and Edgeview Ave. | 0.3 | 2 | 2 | 0 |
| 2 | Titusville | SR 27 (Central Ave.) | Diamond St. and Caldwell St. | 0.6 | 1 | 3 | 0 |
| 3 | Titusville | SR 8 (Spring St.) | Schwartz Lane and West Central Ave. | 0.5 | 3 | 1 | 0 |
| 4 | Kerrtown | SR 6 EB (Smock Highway) | Mercer Pike and French Creek Bridge | 0.7 | 2 | 1 | 0 |
| 5 | Kerrtown | SR 6 EB (Smock Highway) | Pennsylvania Ave. and Mercer Pike | 0.3 | 2 | 1 | 0 |
| 6 | Meadville | SR 1001 (Park Ave.) | Baldwin St. and North St. | 0.3 | 1 | 1 | 0 |
| 7 | Adamsville | SR 18 (Main St.) | Atlantic Rd. and Salem Harwood | 0.5 | 1 | 0 | 2 |
| 8 | SW Meadville | SR 6 EB (Conneaut Lake Rd.) | Perry Highway and Dawn Drive | 0.6 | 2 | 1 | 0 |
| 9 | Meadville | SR 1001 (Park Ave. Extension) | Gasteiger Rd. and Park Ave./Doughty Ave. | 0.5 | 2 | 1 | 0 |
| 10 | Conneaut Lake | SR 322 (State St.) | Water St. and Marshall St. | 0.6 | 2 | 1 | 0 |
| 11 | Meadville | SR 27 (North St.) | Park Ave. and State St. | 0.3 | 0 | 3 | 0 |
| 12 | Meadville | SR 1001 (Park Ave. Extension) | Poplar St. and North St. | 0.5 | 1 | 1 | 0 |
| 13 | SW Meadville | SR 6 EB (Conneaut Lake Rd.) | Dawn Dr. and I-79 | 0.6 | 1 | 1 | 0 |
| 14 | S Meadville | SR 322 (Cochranton Rd.) | North of McHenry St. | 0.6 | 1 | 1 | 0 |
| 15 | Meadville | SR 2012 (Chestnut Rd.) | South Main St. and Ernst Pl. | 0.5 | 1 | 1 | 0 |
| 16 | SW Meadville | SR 19 (Perry Highway) | McMath Ave. and Patricia Rd. | 0.5 | 3 | 0 | 0 |
| 17 | S Titusville | SR 8 (Franklin St.) | Dewey Rd. and St. John St. | 0.4 | 1 | 1 | 0 |
| 18 | Conneaut Lake | SR 6 (Water St.) | West of SR 618 and East of Ninth St. | 0.7 | 1 | 1 | 0 |
| 19 | Cussewago Twp. | SR 98 | North of Center Rd. | 0.3 | 1 | 1 | 0 |
| 20 | Linesville | SR 6 (Penn St.) | Church St. and Erie St. | 0.3 | 1 | 1 | 0 |

*KSI = Fatal and Serious Injury // **VRU = Vulnerable Road User

C. High Injury Network Top 10 Locations - Countermeasure Profiles

SR 0018**Sadsbury Township**
Crawford County**SPEED
LIMIT
40****Length of the Corridor**

- Access Management - Driveways
- Pedestrian Walkways
- Pedestrian Warning Advanced Signage
- Lighting
- Update Pavement Markings
- Engineering Study for Placement of High Visibility Crosswalk(s) with RRFB
- Engineering Speed Study to Evaluate Posted Speed Limit (and need for traffic calming)



Countermeasures



Access Management - Driveways



Update Pavement Markings



Walkways



Pedestrian Warning Advanced Signage



Lighting



Engineering Study for Placement of High Visibility Crosswalk(s) with RRFB

Collision History (2019-2023)



3
Total
Collisions

Fatal or Severe Injury
All Other Injury
Property Damage Only

| | Total Collisions | Fatal or Severe Injury |
|------------|------------------|------------------------|
| Car | 1 | 0 |
| Motorcycle | 0 | 0 |
| Bicycle | 0 | 0 |
| Pedestrian | 2 | 2 |

Notable Collision Patterns

Hit
Non-MotoristDark
Illumination

Planning References

- N/A

Central Ave (SR 0027)

Titusville
Crawford County



Length of the Corridor

- High Visibility Crosswalks
- Engineering Study to Identify Traffic Calming Measures for Speed Management



Countermeasures



High Visibility Crosswalks



Reconfigure Intersection Approach



Engineering Study to Identify Traffic Calming Measures for Speed Management

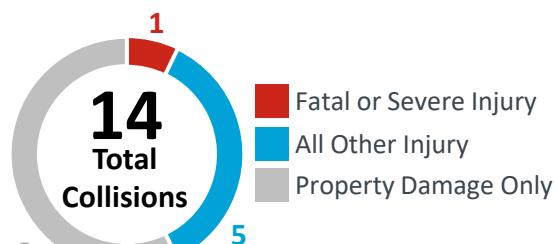


Engineering Study for Placement of High Visibility Crosswalk with RRFB (at Murdock Blvd.)



Rectangular Rapid Flashing Beacon (RRFB)

Collision History (2019-2023)



Notable Collision Patterns



Total Collisions
11



Fatal or Severe Injury
0



All Other Injury
0



Property Damage Only
3



Hit
Non-Motorist



Rear End at
Crosswalk



Angle at
Stop-Controlled

Planning References

- Previous Titusville School District Safe Routes to School Initiatives

SR 0089

Buell's Corners (Rome Township)

Crawford County

Buell's Corners Rd (SR 1022)

Buell's Corners Rd

SPEED
LIMIT
45

Add Paved Shoulders



Engineering Study to Evaluate Speed Management Needs



Install Doubled-up, Oversized Advance Intersection Ahead Signs, with Reflective Strips



Engineering Study for Multi-Way Stop Installation



Evaluate Sight Distance to Determine Whether to Modify Corner Embankments



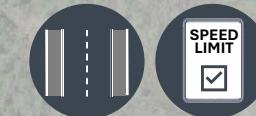
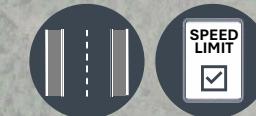
Access Management – Driveway

- Install Doubled-up, Oversized Advance Intersection Ahead Signs, with Reflective Strips (on the SR 0089 approach)
- Engineering Study for Multi-Way Stop Installation (to determine whether Multi-Way Stop is a good solution for this location or if other strategies would be more effective... rumble strips, flashing warning signage, dynamic warning signage, roundabout, traffic signal, etc.)
- Evaluate Sight Distance to Determine Whether to Modify Corner Embankments
- Access Management – Driveway



Length of the Corridor

- Add Paved Shoulders
- Engineering Study to Evaluate Speed Management Needs

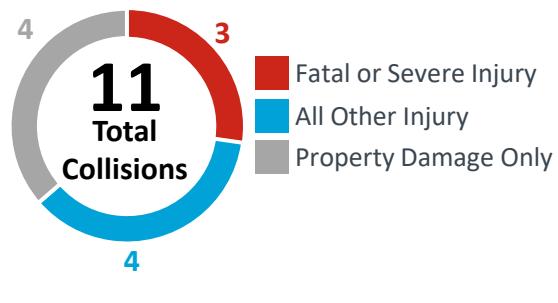


Fairview Rd

SPEED
LIMIT
45

Countermeasures

Collision History (2019-2023)



| | Total Collisions | Fatal or Severe Injury |
|------------|------------------|------------------------|
| Car | 9 | 3 |
| Motorcycle | 1 | 0 |
| Bicycle | 0 | 0 |
| Pedestrian | 0 | 0 |
| Horse | 1 | 0 |

Notable Collision Patterns



Horse and Buggy



Angle at Stop-Controlled



Hit Fixed Object

Planning References

- 2024/2025 - PennDOT District 1-0 Intersection Improvement Activities: removing vegetation to improve corner sight distance on SR 1022, doubled-up solar LED Stop signs with reflective strips, and doubled-up Stop Ahead signs with reflective strips

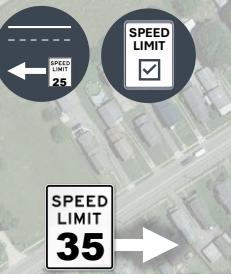
(note: a second stop sign was unable to be installed on the westbound Buells Corner Rd (SR 1022) approach, due to the current business' driveway access design)



Spring St (SR 0008)

Titusville Crawford County

- Engineering Speed Study to Shift Location of Speed Limit Reduction to be in Advance of the Curve (i.e. further west *and also* evaluate whether to shift the prior 35 MPH speed further west as well)
- Engineering Study to Identify Traffic Calming Measures for Speed Management



Countermeasures



High Visibility Crosswalks



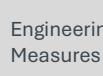
Left-Turn Restrictions



Engineering Speed Study to Shift Location of Speed Limit Reduction

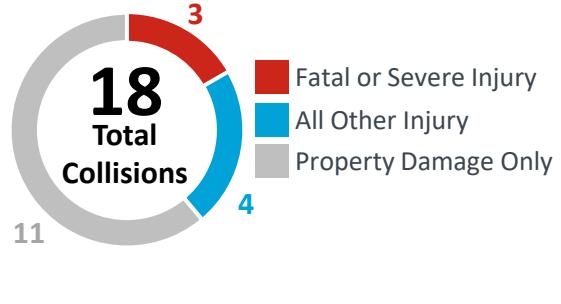


ONE WAY



Engineering Study to Identify Traffic Calming Measures for Speed Management

Collision History (2019-2023)



| | Total Collisions | Fatal or Severe Injury |
|------------|------------------|------------------------|
| Car | 17 | 2 |
| Motorcycle | 0 | 0 |
| Bicycle | 1 | 1 |
| Pedestrian | 0 | 0 |

Notable Collision Patterns



Rear End Collision



Angle at Stop-Controlled



Head On Collision

Planning References

- TIP Future Development
 - SR 0008 Highway Restoration
- Erie to Pittsburgh Trail Extension through City of Titusville (one proposed route option is on/crosses this section of SR 0008)
- Northwest of the Project Area: Oil Creek Township is looking to add sidewalks on SR 0008 near Walmart

Grand Army of the Republic Hwy (SR 0006)

Kerrtown (Vernon Township) Crawford County

- Engineering Study for Exclusive Left-Turn Signal Phasing (for Eastbound and Westbound Approaches)
- Evaluate Yellow Clearance and All Red Clearance Intervals
- Retroreflective Backplates on Signal Heads



- Engineering Study for Dedicated Left-Turn Signal Phasing (for Northbound and Southbound Approaches)
- Evaluate Yellow Clearance and All Red Clearance Intervals
- Retroreflective Backplates on Signal Heads



Length of the Corridor

- Corridor Access Management - Extend Median and Review Driveway Access
- Update Pavement Markings
- Pedestrian Walkways
- Engineering Study to Explore Roundabouts to Replace One or More Signalized Intersections
- Engineering Study to Explore Road Diet



- Engineering Study for Exclusive Only Left-Turn Signal Phasing (for Westbound Approach)
- Evaluate Yellow Clearance and All Red Clearance Intervals
- Retroreflective Backplates on Signal Heads



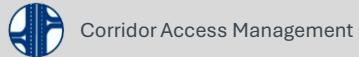
- Pedestrian Walkway (to connect Smock Bridge sidewalk to the Park Ave Plaza shopping)



- Advanced Destination Signage for Park Ave Plaza exit on the right



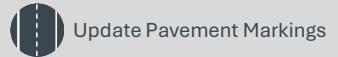
Countermeasures



Corridor Access Management



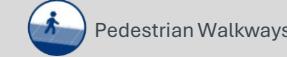
Dedicated/Exclusive/Exclusive-Only Left-Turn Signal Phasing



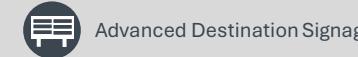
Update Pavement Markings



Retroreflective Backplates on Signal Heads



Pedestrian Walkways



Advanced Destination Signage

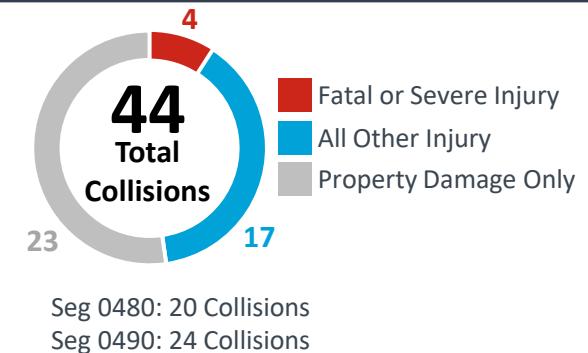


Engineering Study to Explore Roundabouts to Replace One or More Signalized Intersections



Engineering Study to Explore Road Diet

Collision History (2019-2023)



| | Total Collisions | Fatal or Severe Injury |
|------------|------------------|------------------------|
| Car | 42 | 3 |
| Motorcycle | 0 | 0 |
| Bicycle | 0 | 0 |
| Pedestrian | 2 | 1 |

Notable Collision Patterns



Angle at
Signal



Rear End
Collision



Collisions at
Driveways



Speeding



Red Light
Running

Planning References

- Meadville Traffic/Land Use Study for SR 19/SR 98/US 6/322 Corridor ([Meadville \(Vernon\) Traffic Land Use Report SR19-98,US6-322.pdf](#))
- Upcoming CATA Initiative: install a new pull-off bus stop between Shaw Avenue and Charles St.
- PennDOT District 1-0 Network Screening Profile (for the intersection at Pennsylvania Ave./Shaw Ave.)

Park Ave (SR 1001)

Meadville

Crawford County

- Evaluate Yellow Clearance Intervals
- Visually Reduce Corner Curb Radius on All Corners (through pavement marking and/or colored surface treatments)"



North St

(SR M100)

- Engineering Study to Evaluate Potential Signalization (or Simply Increased Stop Sign Visibility Measures)



Park Ave (SR 1001)



Define Travelway (Stripe Shoulder/Parking Lane)



Visually Reduce Corner Curb Radius on All Corners

Length of the Corridor

- High Visibility Crosswalks
- Engineering Study to Extend 25 MPH Speed Limit
- Evaluate Whether to Add Bicycle Facilities
- Engineering Study to Identify Traffic Calming Measures for Speed Management



Mount Hope St

Baldwin St (SR 2037)



Countermeasures



High Visibility Crosswalks



Evaluate Yellow Clearance Intervals



Engineering Study to Extend 25 MPH Speed Limit



Engineering Study to Evaluate Potential Signalization

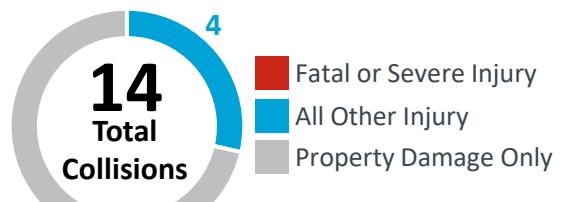


Evaluate Whether to Add Bicycle Facilities



Engineering Study to Identify Traffic Calming Measures for Speed Management

Collision History (2019-2023)



| | Total Collisions | Fatal or Severe Injury |
|------------|------------------|------------------------|
| Car | 12 | 0 |
| Motorcycle | 0 | 0 |
| Bicycle | 2 | 0 |
| Pedestrian | 0 | 0 |

Notable Collision Patterns



Angle at Stop-Controlled



Angle at Signal



Bicycle Involved Collision

Planning References

- N/A

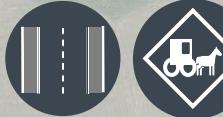
Main St (SR 0018)

Adamsville (West Fallowfield Township)
Crawford County



Length of the Corridor

- Widen Paved Shoulders
- Horse & Buggy Warning Signage



Main St (SR 0018)



Rocky Glen Rd

Atlantic Rd (SR 3006)

Countermeasures



Widen Paved Shoulders



Horse & Buggy Warning Signage

Collision History (2019-2023)



| | Total Collisions | Fatal or Severe Injury |
|--|------------------|------------------------|
|--|------------------|------------------------|

| | | |
|--|---|---|
| | 1 | 0 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 |
| | 2 | 1 |

Notable Collision Patterns



Horse and
Buggy

Planning References

- TIP Future Development
 - SR 0018 Highway Restoration
 - Bridge Preservation – Scour Protection

Conneaut Lake Rd (SR 0006)

Vernon Township
Crawford County

SPEED
LIMIT
45

SR 0098

Winkler Dr

Pa Tool and Gauge Dr

Conneaut Lake Rd (SR 0006)

STOP

Vernon Pl

Vernon Pl



Length of the Corridor

- Corridor Access Management - Extend Median
- Engineering Study to Explore Road Diet
- Engineering Study to Identify Traffic Calming Measures for Speed Management
- Pedestrian Walkways



SPEED
LIMIT

45

- Engineering Study for Exclusive Left-Turn Signal Phasing
- Reduce the Curb Radius on the Southwest Corner
- Rebuild Signal and Realign Traffic Signal Heads Over the Receiving Lanes (Northbound and Southbound Approaches)
- *Engineering Study to Explore Roundabout to Replace the Signalized Intersection*



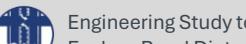
- Add Pavement Markings to Separate Entering and Exiting Traffic
- Realign Driveway Entrance as Perpendicular to Conneaut Lake Rd.
- Add No Left Turn Signage



Countermeasures



Corridor Access Management



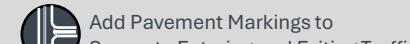
Engineering Study to Explore Road Diet



Engineering Study for Exclusive Left-Turn Signal Phasing



Reduce Curb Radius at Signal



Add Pavement Markings to Separate Entering and Exiting Traffic



Realign Driveway Entrance as Perpendicular to Conneaut Lake Rd.



Add No Left Turn Signage



Pedestrian Walkways



Engineering Study to Identify Traffic Calming Measures for Speed Management

Collision History (2019-2023)



| | Total Collisions | Fatal or Severe Injury |
|------------|------------------|------------------------|
| Car | 18 | 1 |
| Motorcycle | 1 | 1 |
| Bicycle | 1 | 0 |
| Pedestrian | 0 | 0 |

Notable Collision Patterns



Collisions at
Driveways



Same
Direction Side
Swipes



Rear End
Collisions



Angle
Collisions



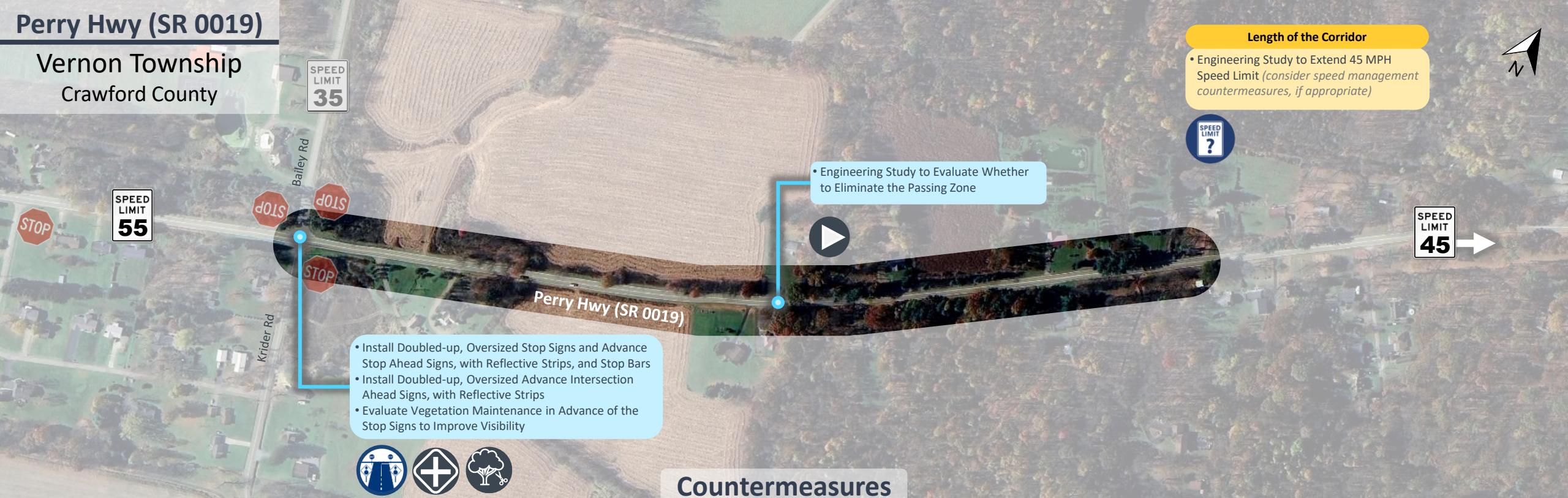
Head On
Collision

Planning References

- Meadville Traffic/Land Use Study for SR 19/SR 98/US 6/322 Corridor ([Meadville \(Vernon\) Traffic Land Use Report SR19-98,US6-322.pdf](#))

Perry Hwy (SR 0019)

Vernon Township
Crawford County



Countermeasures



Engineering Study to Extend 45 MPH Speed Limit



Engineering Study to Evaluate Whether to Eliminate the Passing Zone



Install Doubled-up, Oversized Stop Signs and Advance Stop Ahead Signs, with Reflective Strips, and Stop Bars

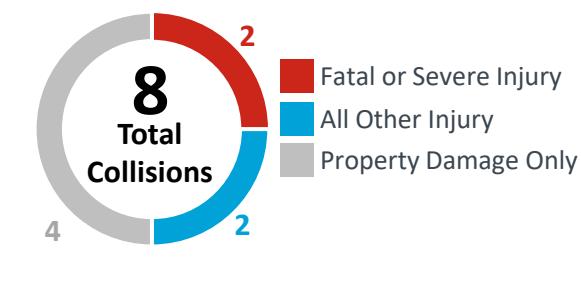


Install Doubled-up, Oversized Advance Intersection Ahead Signs, with Reflective Strips



Evaluate Vegetation Maintenance in Advance of the Stop Signs to Improve Visibility

Collision History (2019-2023)



| | Total Collisions | Fatal or Severe Injury |
|------------|------------------|------------------------|
| Car | 7 | 1 |
| Motorcycle | 0 | 0 |
| Bicycle | 0 | 0 |
| Pedestrian | 1 | 1 |

Notable Collision Patterns



Angle at Stop-
Controlled



Hit Fixed
Object



Deer
Related

Planning References

- TIP in Development
 - SR 0019 Highway Resurfacing
- Ernst Trail extension crossing of SR 0019 located about a half mile south of this segment (*discussions amongst trail advocates that a vertically separated crossing would reduce conflicts between drivers and trail users*)

D. High Injury Network Top 10 Locations - Countermeasure Profile Project Tables

Crawford County Safety Action Plan - High Injury Network Top 10 Locations

Project Profiles Table

| Project Profiles Table | | | | | | | | | | |
|------------------------|--|-----------------|--|---|--|----------------------------|-------------------|--------------------------------|--|---|
| Location Information | | | Countermeasure Information | | | Implementation Information | | | | |
| Top 10 Rating | Project Area | Jurisdiction | Location | Countermeasure | FHWA Proven Safety Countermeasure | Implementation Horizon | Lead Organization | Supporting Organization(s) | 2025 Planning Level Cost Estimate Range* | Potential Funding Sources |
| 1 | SR 18 Segment 0120 (between Shady Ave. and Edgeview Ave.) | Conneaut Lake | Length of Corridor | •Access Management - Driveways | | Medium Term / Long Term | Conneaut Lake | Crawford County, PennDOT | High/Very High | Multimodal Transportation Fund |
| | | | | •Pedestrian Walkways | Yes | Medium Term | Conneaut Lake | Crawford County, PennDOT | High | Multimodal Transportation Fund, Transportation Alternatives Set Aside Funding |
| | | | | •Pedestrian Warning Advanced Signage | | Short Term | PennDOT | | Low | |
| | | | | •Lighting | Yes | Medium Term | PennDOT | | Medium | Multimodal Transportation Fund |
| | | | | •Update Pavement Markings | | Short Term | PennDOT | | Low | |
| | | | | •Engineering Study for Placement of High Visibility Crosswalk(s) with RRFB | Yes | Short Term | Conneaut Lake | Crawford County, PennDOT | Low | ARLE Funding |
| | | | | •Engineering Speed Study to Evaluate Posted Speed Limit (and need for traffic calming) | Yes | Short Term | PennDOT | Conneaut Lake, Crawford County | Low | |
| 2 | SR 27 Segment 0490 Central Ave. (between Diamond St. and Caldwell St.) | Titusville | Length of Corridor | •High Visibility Crosswalks | Yes | Short Term | Titusville | Crawford County, PennDOT | Low | ARLE Funding, Multimodal Transportation Fund |
| | | | | •Engineering Study to Identify Traffic Calming Measures for Speed Management | Yes | Medium Term | Titusville | Crawford County, PennDOT | Low | |
| | | | Intersection at Drake St. | •Access Management – Driveway (Gas Station on NE Corner) | | Medium Term / Long Term | Titusville | Crawford County, PennDOT | Medium | |
| | | | Intersection at Kerr St. | •Rectangular Rapid Flashing Beacon (RRFB) | Yes | Short Term | Titusville | Crawford County, PennDOT | Low | ARLE Funding, Multimodal Transportation Fund |
| | | | Intersection at Murdock Blvd. | •Reconfigure Intersection Approach for Main St. | | Medium Term | PennDOT | Titusville, Crawford County | Very High | Multimodal Transportation Fund |
| | | | | •Engineering Study for Placement of High Visibility Crosswalk with RRFB (at Murdock Blvd.) | Yes | Short Term | Titusville | Crawford County, PennDOT | Low | ARLE Funding |
| 3 | SR 89 Segment 0220 (between Fairview Rd. and Buells Corners Rd.) | Buell's Corners | Length of Corridor | •Add Paved Shoulders | | Medium Term | PennDOT | | High/Very High | |
| | | | | •Engineering Study to Evaluate Speed Management Needs | Yes | Short Term | PennDOT | Buels Corner, PennDOT | Low | |
| | | | Intersection at Buells Corners Rd. (SR 1022) | •Doubled-up, Oversized Advance Intersection Ahead Signs, with Reflective Strips (on the SR 0089 approach) | Yes | Short Term | PennDOT | | Low | |
| | | | | •Engineering Study for Multi-Way Stop Installation (to determine whether Multi-Way Stop is a good solution for this location or if other strategies would be more effective...rumble strips, flashing warning signage, dynamic warning signage, roundabout, traffic signal, etc.) | | Short Term | Crawford County | Buels Corner, PennDOT | Low | |
| | | | | •Evaluate Whether to Modify Corner Embankments to Improve Sight Distance | | Short Term | PennDOT | | Low | |
| | | | | •Access Management – Driveway | | Medium Term / Long Term | Crawford County | Buels Corner, PennDOT | High | |
| | | | | | | | | | | |
| 4 | SR 8 Segment 0040 Spring St. (between Schwartz Lane and West Central Ave.) | Titusville | Length of Corridor | •High Visibility Crosswalks | Yes | Short Term | Titusville | Crawford County, PennDOT | Low | ARLE Funding, Multimodal Transportation Fund |
| | | | Northeastern End | •Engineering Speed Study to Shift Location of Speed Limit Reduction to be in Advance of the Curve (i.e. further west and also evaluate whether to shift the prior 35 MPH speed further west as well) | | Short Term | PennDOT | Titusville, Crawford County | Low | |
| | | | | •Engineering Study to Identify Traffic Calming Measures for Speed Management | Yes | Medium Term | PennDOT | Titusville, Crawford County | Low | |
| | | | | Intersection at Walnut St. | Left Turn Restrictions from Walnut St. | Short Term | PennDOT | Titusville, Crawford County | Low | |
| | | | Intersection at 2nd St. | Left Turn Restrictions from 2nd St. | | Short Term | PennDOT | Titusville, Crawford County | Low | |
| | | | Intersection at Central Ave./William Finn Hwy. (SR 27) | •Add /Refresh Wrong Way Arrow Pavement Markings on the W Central Ave. Approach | | Short Term | PennDOT | | Low | |
| | | | | •Review and Update One-Way Signage | | Short Term | PennDOT | | Low | |
| | | | | •Engineering Study to Explore Roundabout | Yes | Long Term | Crawford County | Titusville, PennDOT | Medium | |

Crawford County Safety Action Plan - High Injury Network Top 10 Locations

Project Profiles Table -- Continued

| Location Information | | | Countermeasure Information | | | Implementation Information | | | | |
|----------------------|--|--------------|---|--|-----------------------------------|----------------------------|-------------------|----------------------------|--|---|
| Top 10 Rating | Project Area | Jurisdiction | Location | Countermeasure | FHWA Proven Safety Countermeasure | Implementation Horizon | Lead Organization | Supporting Organization(s) | 2025 Planning Level Cost Estimate Range* | Potential Funding Sources |
| 5 & 6 | SR 6 EB Segment 0490 Smock Highway (between Pennsylvania Ave. and the French Creek Bridge) | Kerrtown | Length of Corridor | •Corridor Access Management - Extend Median and Review Driveway Access | | Medium Term / Long Term | Crawford County | Kerrtown, PennDOT | High/Very High | |
| | | | | •Update Pavement Markings | | Short Term | PennDOT | | Medium | |
| | | | | •Pedestrian Walkways | Yes | Medium Term | Kerrtown | Crawford County, PennDOT | Very High | Multimodal Transportation Fund, Transportation Alternatives Set Aside Funding |
| | | | | •Engineering Study to Explore Roundabouts to Replace One or More Signalized Intersections | Yes | Long Term | Crawford County | Kerrtown, PennDOT | Medium | |
| | | | | •Engineering Study to Explore Road Diet | Yes | Medium Term | Crawford County | Kerrtown, PennDOT | Medium | |
| | | | Intersection at Pennsylvania Ave./ Shaw Ave. | •Engineering Study for Exclusive Left-Turn Signal Phasing (for Eastbound and Westbound Approaches) | | Medium Term | Kerrtown | PennDOT | Low | Green Light-Go Funding |
| | | | | •Evaluate Yellow Clearance and All Red Clearance Intervals | Yes | Short Term | Kerrtown | PennDOT | Low | Green Light-Go Funding |
| | | | | •Retroreflective Backplates on Signal Heads | Yes | Short Term | Kerrtown | PennDOT | Low | ARLE Funding |
| | | | Intersection at Mercer Pike (SR 101) / Kennedy Hill Rd. (SR 3025) | •Engineering Study for Dedicated Left-Turn Signal Phasing (for Northbound and Southbound Approaches) | Yes | Medium Term | Kerrtown | PennDOT | Low | Green Light-Go Funding |
| | | | | •Evaluate Yellow Clearance and All Red Clearance Intervals | Yes | Short Term | Kerrtown | PennDOT | Low | Green Light-Go Funding |
| | | | | •Retroreflective Backplates on Signal Heads | Yes | Short Term | Kerrtown | PennDOT | Low | ARLE Funding |
| | | | Home Depot Driveway Entrance | •Engineering Study for Exclusive Only Left-Turn Signal Phasing (for Southbound Approach) | Yes | Medium Term | Kerrtown | PennDOT | Low | Green Light-Go Funding |
| | | | | •Evaluate Yellow Clearance and All Red Clearance Intervals | Yes | Short Term | Kerrtown | PennDOT | Low | Green Light-Go Funding |
| | | | | •Retroreflective Backplates on Signal Heads | Yes | Short Term | Kerrtown | PennDOT | Low | ARLE Funding |
| | | | Between Home Depot Driveway and Park Ave. Plaza Driveway Exit | •Advanced Destination Signage for Park Ave Plaza exit on the right | | Short Term | PennDOT | | Low | |
| | | | Park Ave. Plaza Driveway Exit | •Pedestrian Walkway (to connect Smock Bridge sidewalk to the Park Ave Plaza shopping) | Yes | Medium Term | Kerrtown | Crawford County, PennDOT | High/Very High | Multimodal Transportation Fund |
| 7 | SR 1001 Segment 0030 Park Ave. (between Baldwin St. and North St.) | Meadville | Length of Corridor | •High Visibility Crosswalks | Yes | Short Term | Meadville | Crawford County, PennDOT | Low | ARLE Funding, Multimodal Transportation Fund |
| | | | | •Engineering Study to Extend 25 MPH Speed Limit | Yes | Short Term | PennDOT | Meadville, Crawford County | Low | |
| | | | | •Evaluate Whether to Add Bicycle Facilities | Yes | Medium Term | Meadville | Crawford County, PennDOT | Low | ARLE Funding, Multimodal Transportation Fund |
| | | | | •Engineering Study to Identify Traffic Calming Measures for Speed Management | Yes | Medium Term | PennDOT | Meadville, Crawford County | Low | |
| | | | Intersection at North St. (SR 27) | •Evaluate Yellow Clearance Intervals | Yes | Short Term | Meadville | Crawford County, PennDOT | Low | Green Light-Go Funding |
| | | | | •Visually Reduce Corner Curb Radius on All Corners (through pavement marking and/or colored surface treatments)" | | Short Term | PennDOT | Meadville, Crawford County | Low | ARLE Funding |
| | | | Intersection at Randolph St. | •Engineering Study to Evaluate Potential Signalization (or Simply Increased Stop Sign Visibility Measures) | | Medium Term | Meadville | Crawford County, PennDOT | Low | ARLE Funding |
| 8 | SR 18 Segment 0030 Main St. (between Atlantic Rd. and Salem Hardwood Location) | Adamsville | Length of Corridor | •Widen Paved Shoulders | | Medium Term | PennDOT | | High/Very High | |
| | | | | •Horse & Buggy Warning Signage | | Short Term | PennDOT | | Low | |

Crawford County Safety Action Plan - High Injury Network Top 10 Locations

Project Profiles Table -- Continued

| Location Information | | | Countermeasure Information | | | Implementation Information | | | | |
|----------------------|--|-----------------|--|--|-----------------------------------|----------------------------|-------------------|------------------------------|--|---------------------------|
| Top 10 Rating | Project Area | Jurisdiction | Location | Countermeasure | FHWA Proven Safety Countermeasure | Implementation Horizon | Lead Organization | Supporting Organization(s) | 2025 Planning Level Cost Estimate Range* | Potential Funding Sources |
| 9 | SR 6 EB Segment 0450 Conneaut Lake Rd. (between Perry Highway and Dawn Dr.) | Vernon Township | Length of Corridor | •Corridor Access Management - Extend Median | | Medium Term | PennDOT | | High | |
| | | | | •Engineering Study to Explore Road Diet | Yes | Medium Term | Crawford County | PennDOT | Medium | |
| | | | | •Engineering Study to Identify Traffic Calming Measures for Speed Management | Yes | Medium Term | Crawford County | PennDOT | Low | |
| | | | Intersection at Vernon Pl. | •Engineering Study for Exclusive Left-Turn Signal Phasing | Yes | Medium Term | Vernon Twp. | PennDOT | Low | Green Light-Go Funding |
| | | | | •Reduce the Curb Radius on the Southwest Corner | | Medium Term | PennDOT | Vernon Twp., Crawford County | Medium | ARLE Funding |
| | | | | •Rebuild Signal and Realign Traffic Signal Heads Over the Receiving Lanes (Northbound and Southbound Approaches) | | Medium Term | Vernon Twp. | PennDOT | Medium | ARLE Funding |
| | | | | •Engineering Study to Explore Roundabout to Replace the Signalized Intersection | Yes | Long Term | Crawford County | Vernon Twp., PennDOT | Medium | |
| | | | Chipotle & Sears Appliance Center Driveway | •Add Pavement Markings to Separate Entering and Exiting Traffic | | Short Term | Vernon Twp. | PennDOT | Low | |
| | | | | •Realign Driveway Entrance as Perpendicular to Conneaut Lake Rd. | | Medium Term | Vernon Twp. | PennDOT | High | |
| | | | | •Add No Left Turn Signage | | Short Term | PennDOT | | Low | |
| 10 | SR 19 Segment 0180 Perry Highway (between Krider Rd./Bailey Rd. and Ridge Dr.) | Vernon Township | Length of Corridor | •Engineering Study to Extend 45 MPH Speed Limit (consider speed management countermeasures, if appropriate) | Yes | Short Term | PennDOT | | Low | |
| | | | Intersection at Krider Rd./Bailey Rd. | •Doubled-up, Oversized Stop Signs and Advance Stop Ahead Signs, with Reflective Strips, and Stop Bars | Yes | Short Term | PennDOT | | Low | |
| | | | | •Doubled-up, Oversized Advance Intersection Ahead Signs, with Reflective Strips | Yes | Short Term | PennDOT | | Low | |
| | | | | Evaluate Vegetation Maintenance in Advance of the Stop Signs to Improve Visibility | | Short Term | PennDOT | | Low | |
| | | | Passing Zone | •Engineering Study to Evaluate Whether to Eliminate the Passing Zone | | Short Term | PennDOT | | Low | |

*Reference Table for 2025 Planning Level Cost Estimate Range:

| | |
|-----------|----------------|
| Low | < \$50k |
| Medium | \$50k - \$500k |
| High | \$500k - \$1M |
| Very High | > \$1M |

E. Infrastructure & Engineering Countermeasure Toolkit for Systemic Issues

INFRASTRUCTURE & ENGINEERING COUNTERMEASURE TOOLKIT FOR SYSTEMIC ISSUES

Developed for the Crawford County Safety Action Plan

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Introduction

Crawford County, in collaboration with the Northwest Pennsylvania Rural Planning and Development Commission (Northwest Commission), developed the county-wide Safety Action Plan (SAP).

Purpose

This toolkit provides a menu of effective infrastructure and engineering countermeasures that can be applied systemically to address safety concerns, along with recommended implementation best practices for moving safety efforts forward. The goal is to provide consistent guidance for local officials and planning partners as the County works to tackle systemic safety issues.

Some of these countermeasures may already have been applied at specific locations within the County, but there may be additional, systemic opportunities that could be explored.

Systemic Issues Included

These systemic trends represent issues that are present across the county's transportation system, not limited to a specific location:

- Impaired driving crashes
- Single vehicle run-off-the-road crashes
- Speeding-related crashes
- Curved road crashes
- Unsignalized intersection crashes
- Non-motorist crashes
- Motorcycle crashes
- Wet & dark road condition crashes

Infrastructure Countermeasures

There are a variety of infrastructure strategies that can be applied systemically to a transportation system.

Systemic applications can take a few different forms:

- Large projects to apply the same countermeasure in multiple locations across a region (for example, a project that installs the same countermeasure treatment or combination of treatments at all unsignalized intersections across a High Injury Network corridor that meet specific criteria).
- One-by-one implementation of the same strategy over time in multiple locations across a region (for example, applying the same countermeasure at all locations that meet the criteria whenever the location receives its regular roadway maintenance – like resurfacing or restriping – or receives other un-related upgrades).
- Default infrastructure solutions: another way to think about these systemic countermeasures is to consider them “default” infrastructure solutions. Instead of identifying where to apply them, it’s determined where *not* to apply them (for example, defaulting to high-visibility crosswalk pavement markings when installing a new crosswalk).

For Any of these Systemic Applications:

For each location under consideration, it is recommended that a transportation/traffic engineer evaluate the relevant infrastructure and engineering countermeasure list(s) to identify which countermeasures are most appropriate for the specific location context and site characteristics.

Local officials and planning partners will also need to coordinate closely with the relevant roadway owners.

FHWA Proven Safety Countermeasures

The Federal Highway Administration (FHWA) maintains a list of ['Proven Safety Countermeasures' \(PSCs\)](#) that are proven to offer significant, measurable impacts on safety. These countermeasures are data-driven and broadly applicable to many different roadway types and contexts.

Note: while there are currently 28 countermeasures included in their list, FHWA updates the list regularly (as more data comes to light), so it's best to review it regularly to see if any have been added or removed.

FHWA strongly encourages transportation agencies to consider widespread implementation of these PSCs to accelerate the achievement of safety goals. The PSCs for each systemic issue are highlighted within this toolkit to draw emphasis to these countermeasures.

FHWA has a variety of different resources that provide more information on these PSCs:

- Website:
<https://highways.dot.gov/safety/proven-safety-countermeasures>
- Resources Website:
<https://highways.dot.gov/safety/proven-safety-countermeasures/proven-safety-countermeasures-resources>
- Proven Safety Countermeasure Booklet:
https://highways.dot.gov/sites/fhwa.dot.gov/files/Proven%20Safety%20Countermeasures%20Booklet_0.pdf
- Overview Video:
<https://www.youtube.com/watch?v=bxrMmdaLdko>
- And more!

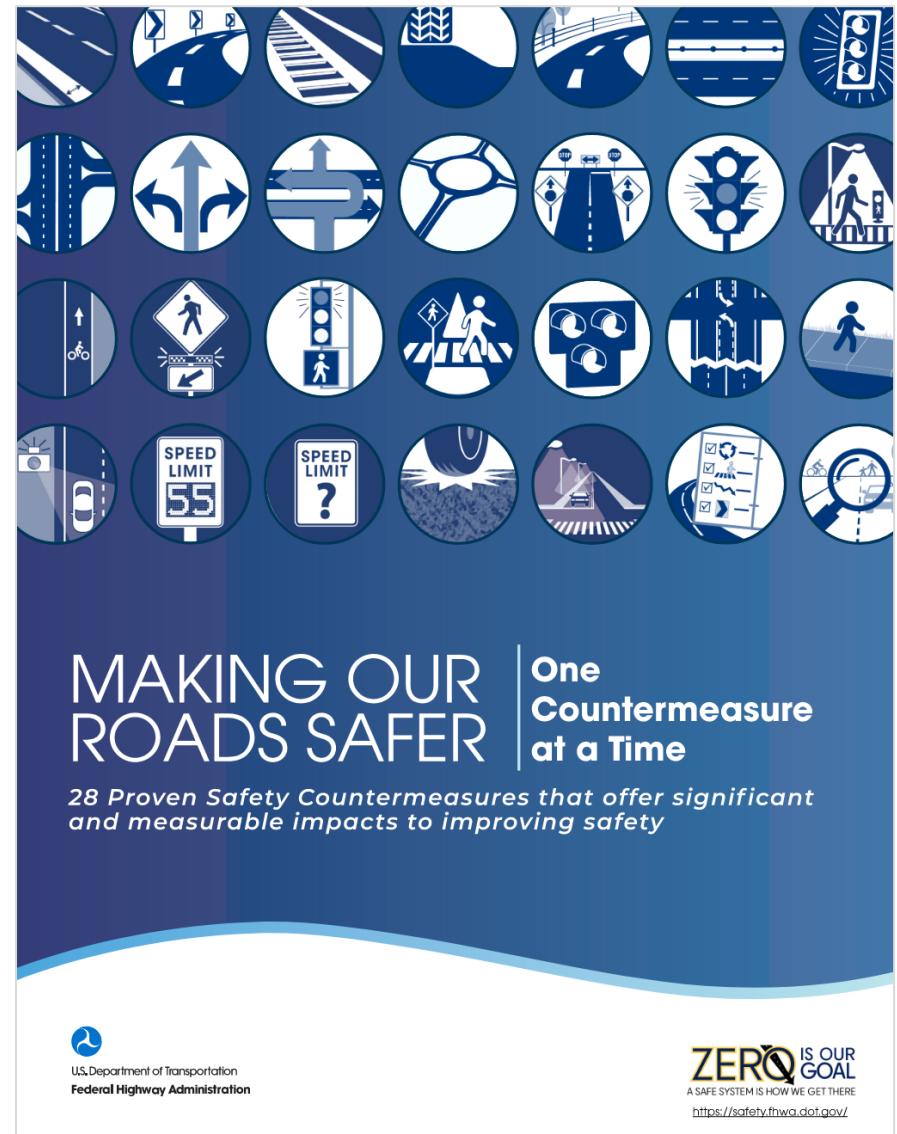


Image Source: FHWA Proven Safety Countermeasure Booklet (2021).

Impaired Driving Crashes

Impaired Driving is a significant transportation safety issue in Crawford County. They represent 13% of all non-interstate crashes and 30% of the fatal and serious injury non-interstate crashes.

Recommended countermeasures for this crash type include:

- Safety Edge*
- Add or Widen Shoulders / Provide Clear Zone*
- Centerline and/or Shoulder Rumble Strips*
- Median and/or Shoulder Barriers (if warrants are met)

**FHWA Proven Safety Countermeasure*



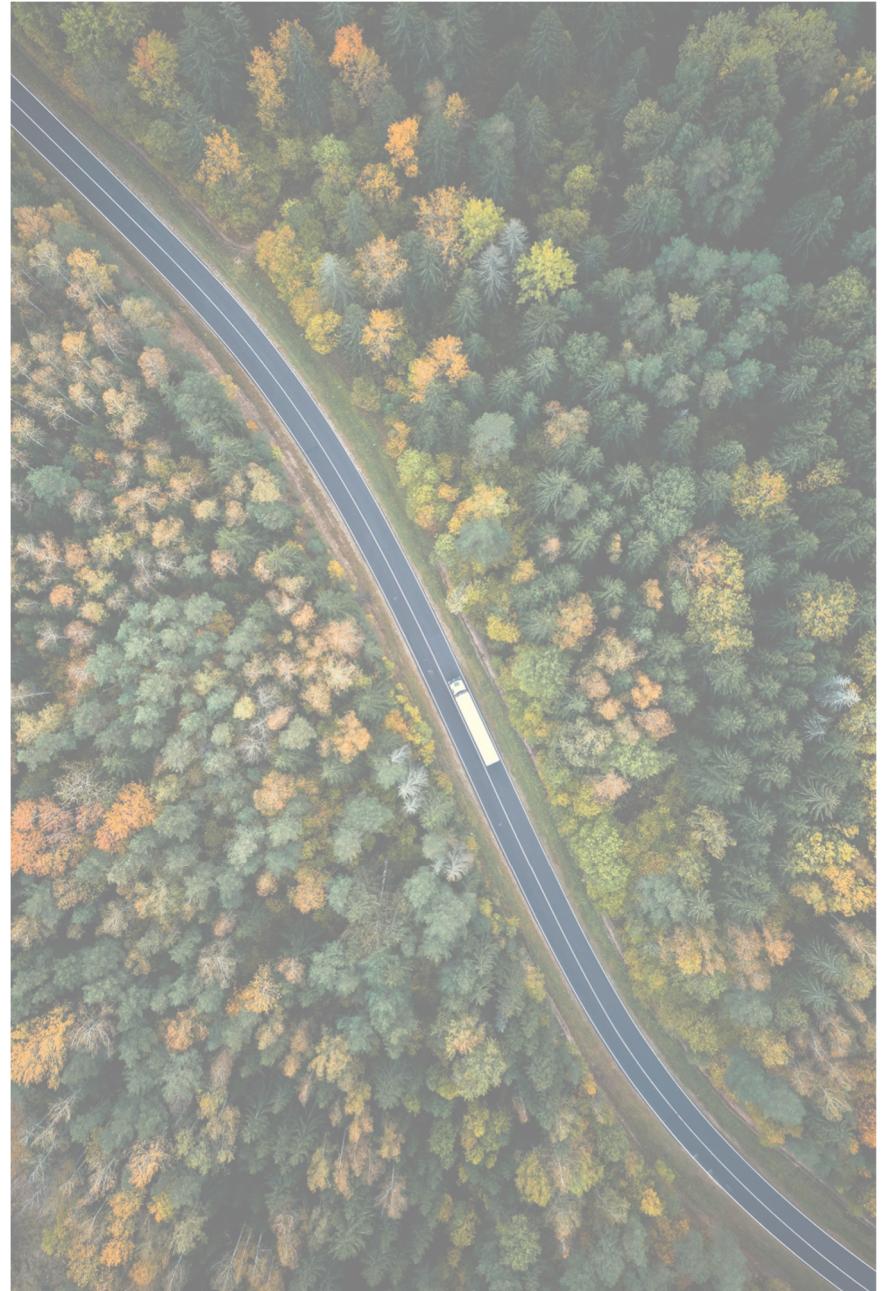
Single Vehicle Run-Off-The-Road Crashes

Single vehicle run-off-the-road crashes are a significant transportation safety issue in Crawford County. They represent 50% of all non-interstate crashes and 53% of the fatal and serious injury non-interstate crashes.

Recommended countermeasures for this crash type include:

- Enhanced Curve Delineation*
- High-Friction Surface Treatment*
- Safety Edge*
- Add or Widen Shoulders / Provide Clear Zone*
- Wider Edge Lines*
- Shoulder Rumble Strips*
- Speed Management / Appropriate Speed Limits*
- Barriers (if warrants are met)

**FHWA Proven Safety Countermeasure*



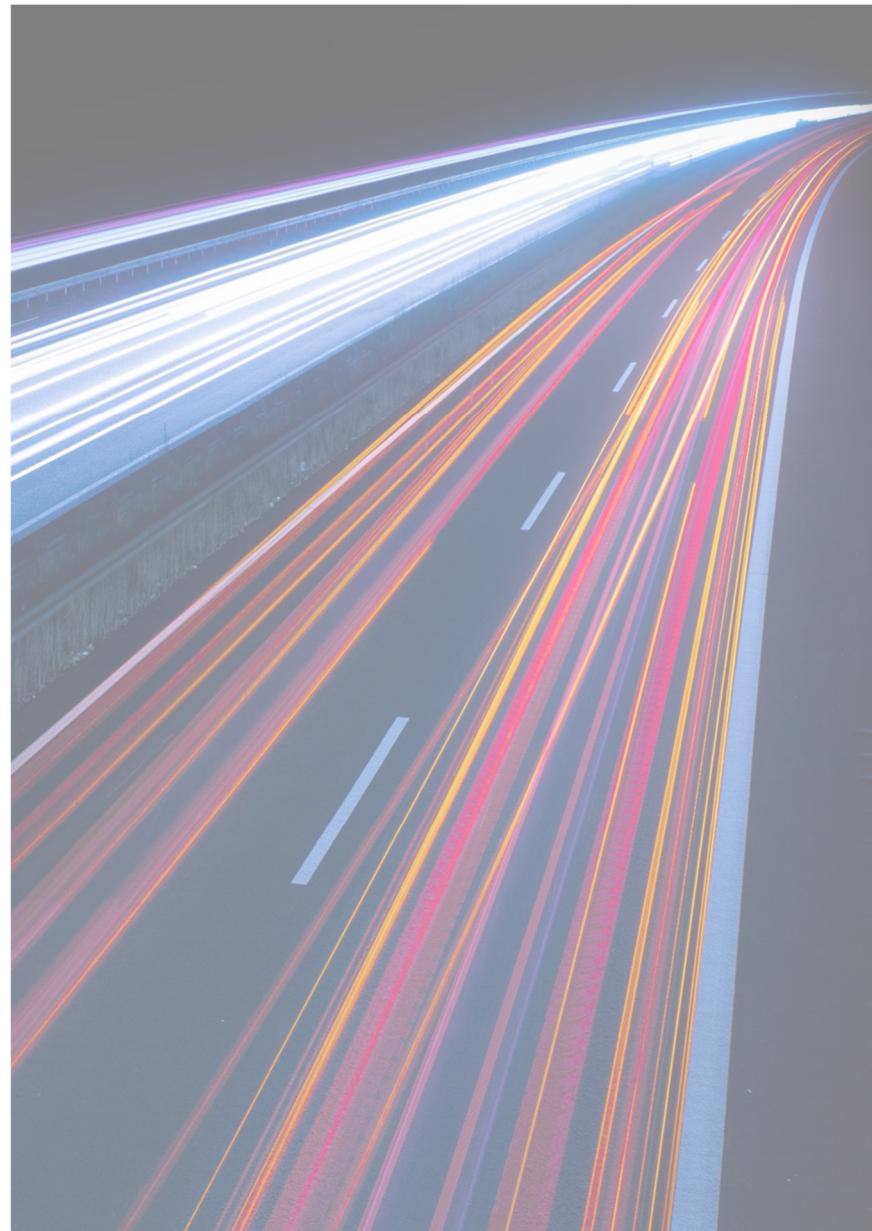
Speeding-Related Crashes

Speeding is a significant transportation safety issue in Crawford County. Speeding-related crashes represent 23% of all non-interstate crashes and 27% of the fatal and serious injury non-interstate crashes.

Recommended countermeasures for this crash type include:

- Speed Management / Appropriate Speed Limits*
- Traffic Calming Infrastructure
- Active ITS Device – Dynamic Speed Feedback Sign

**FHWA Proven Safety Countermeasure*



Curved Road Crashes

Curved road crashes are a significant transportation safety issue in Crawford County. They represent 20% of all non-interstate crashes and 24% of the fatal and serious injury non-interstate crashes.

Recommended countermeasures for this crash type include:

Hit-Fixed-Object Crashes

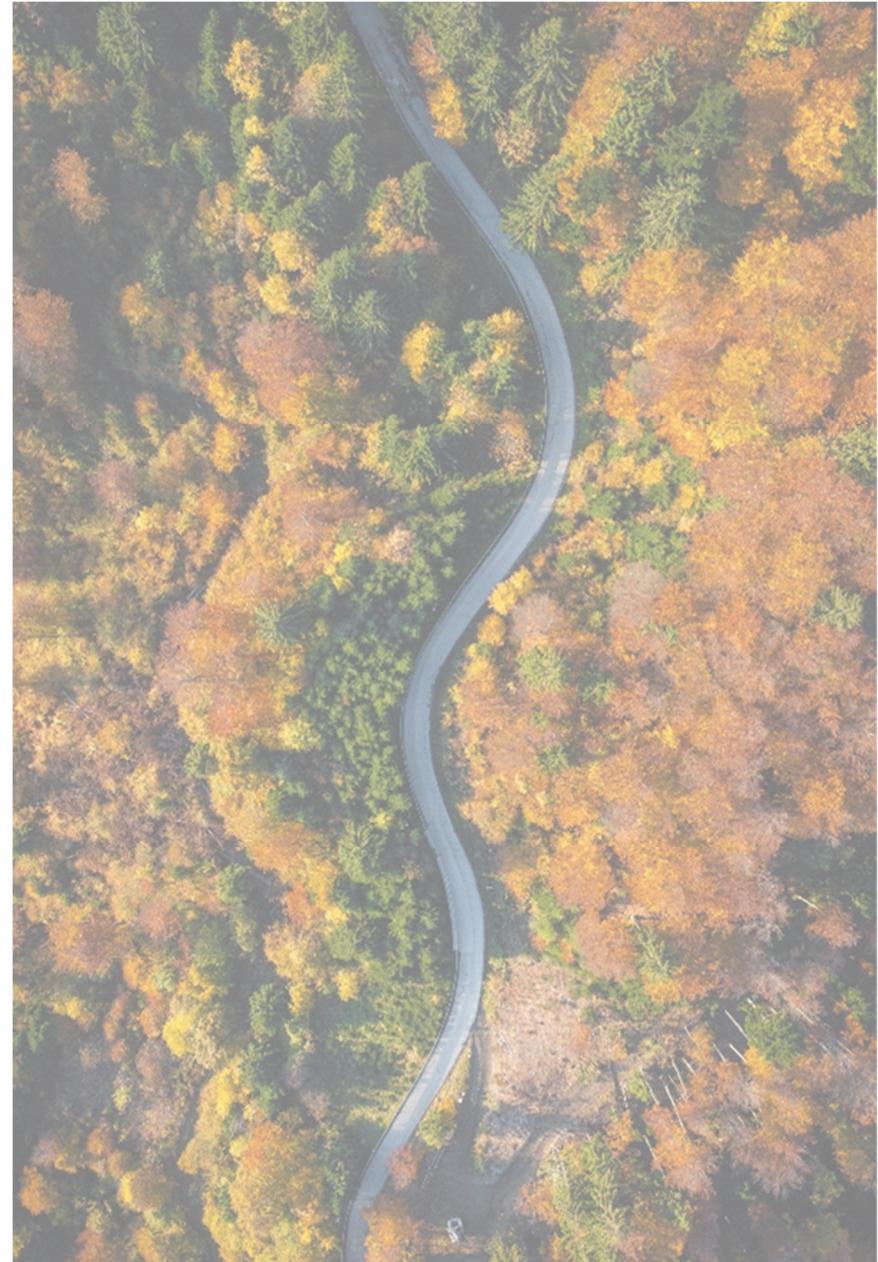
- Enhanced Curve Delineation*
- High-Friction Surface Treatment*
- Safety Edge*
- Add or Widen Shoulders / Provide Clear Zone*
- Wider Edge Lines*
- Shoulder Rumble Strips*
- Speed Management / Appropriate Speed Limits*
- Active ITS Device – Dynamic Speed Feedback Sign
- Barriers (if warrants are met)

**FHWA Proven Safety Countermeasure*

Head-On Crashes

- Centerline rumble strips*
- Median Barriers (if warrants are met)

**FHWA Proven Safety Countermeasure*



Unsignalized Intersection Crashes

Curved road crashes are a significant transportation safety issue in Crawford County. They represent 23% of all non-interstate crashes and 22% of the fatal and serious injury non-interstate crashes.

Recommended countermeasures for this crash type include:

- Doubled-Up (Left and Right), Oversized Stop Signs with Retroreflective Sheeting on Sign Posts*
- Doubled-Up (Left and Right), Oversized Warning Signs with Retroreflective Sheeting on Sign Posts*
- Update Edge Line Striping*
- Properly Placed Stop Bar*
- Removal of Vegetation or Obstructions in Sight Lines*
- Double Arrow Warning Sign at T-intersections*
- Lighting*
- Active ITS Device – Approaching Vehicle Detection/Warnings
- Roundabouts*

**FHWA Proven Safety Countermeasure*



Non-Motorist Crashes

Non-motorist crashes are a systemic transportation safety issue in Crawford County. While they represent only 2% of all non-interstate crashes, they account for 8% of the fatal and serious injury non-interstate crashes.

Recommended countermeasures for this crash type include:

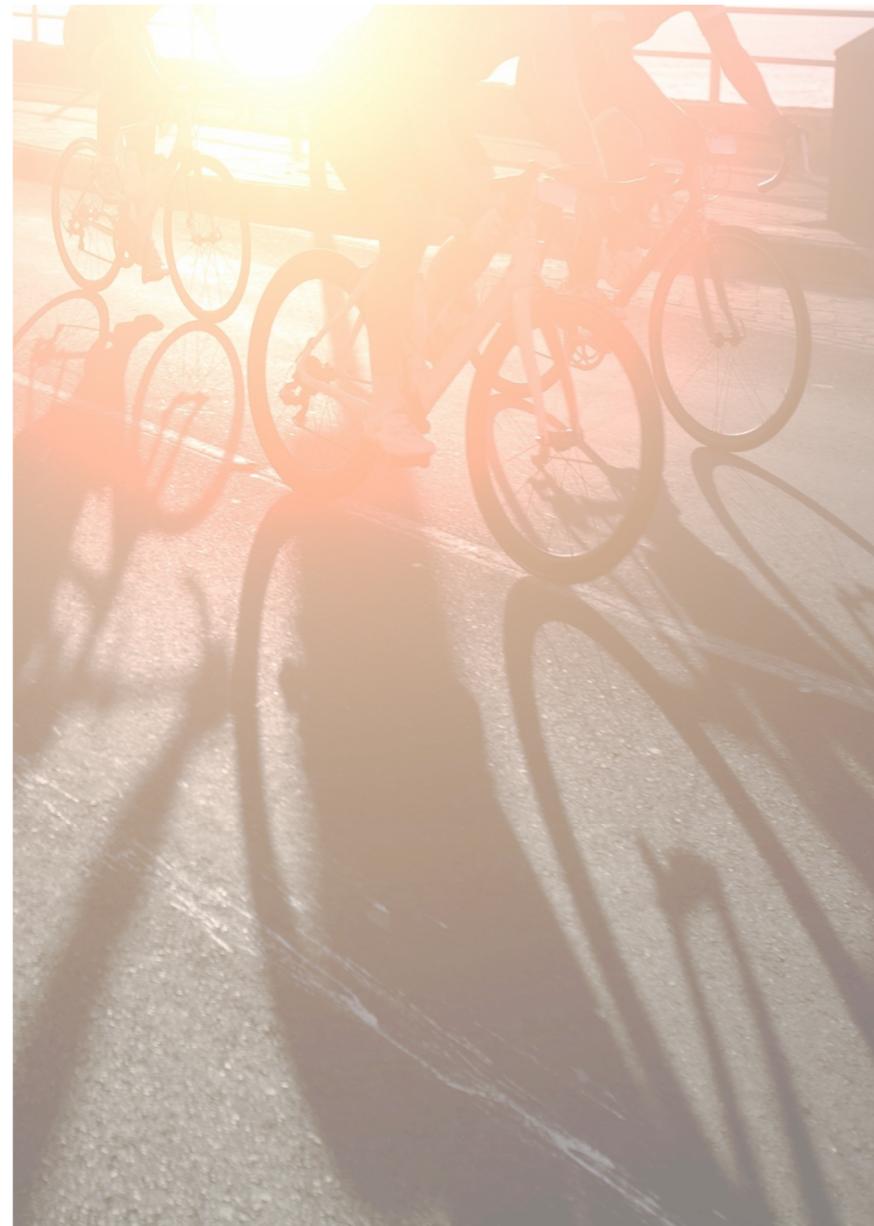
Pedestrians Crashes:

- Walkways*
- Medians and Pedestrian Refuge Islands in Urban and Suburban Areas*
- Crosswalk Visibility Enhancements*
- Rectangular Rapid Flashing Beacons (RRFB)*
- Leading Pedestrian Interval*
- Lighting*
- Speed Management / Appropriate Speed Limits*

Bicyclist Crashes:

- Road Diets*
- Bicycle Lanes*

**FHWA Proven Safety Countermeasure*



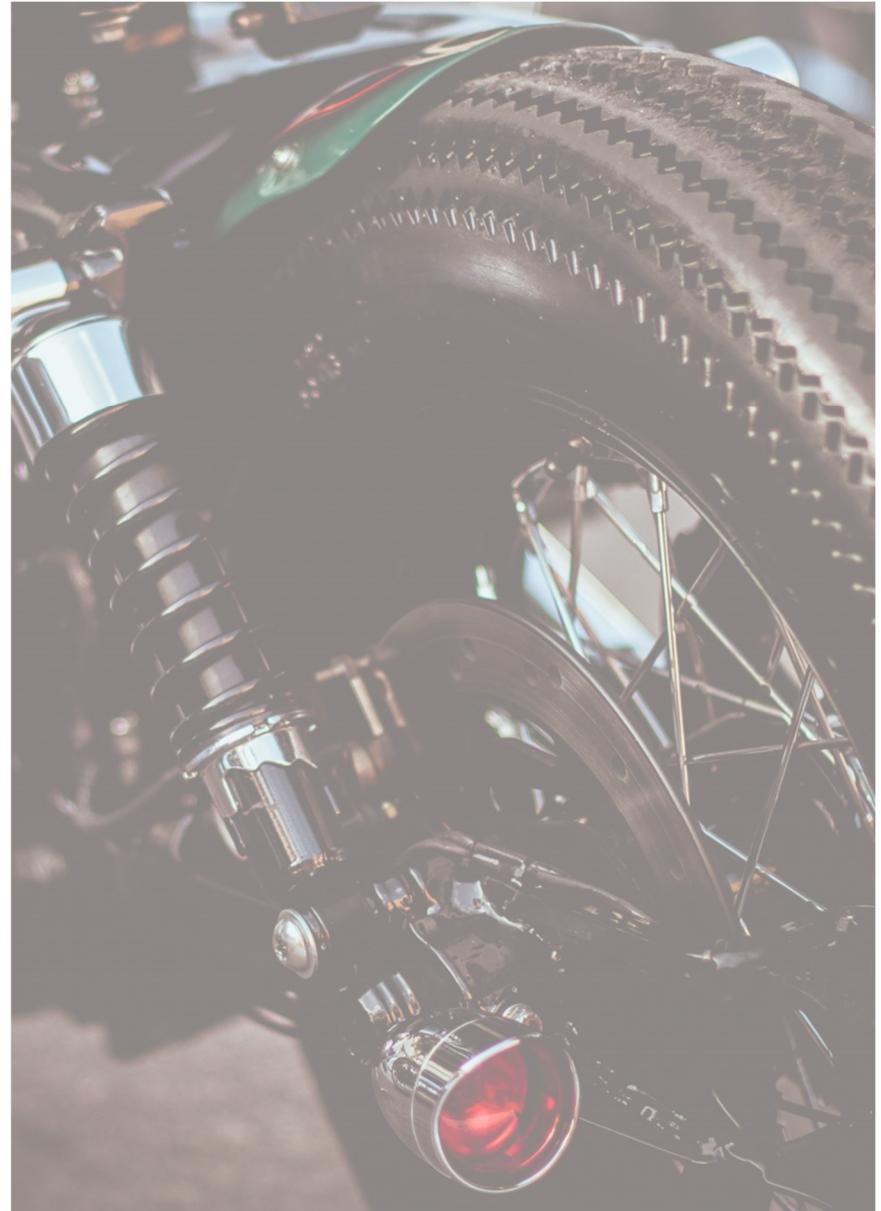
Motorcycle Crashes

Motorcycle crashes are a systemic transportation safety issue in Crawford County. While they represent only 4% of all non-interstate crashes, they account for 14% of the fatal and serious injury non-interstate crashes.

Recommended countermeasures for this crash type include:

- High-Friction Surface Treatment*
- Enhanced Curve Delineation*
- Add or Widen Shoulders / Provide Clear Zone*
- Active ITS Device – Dynamic Speed Feedback Sign
- Speed Management / Appropriate Speed Limits*

**FHWA Proven Safety Countermeasure*



Wet & Dark Road Conditions

Crashes with wet and/or dark road conditions are a systemic transportation safety issue in Crawford County. Crashes with wet road conditions account for 18% of all non-interstate crashes and 18% of the fatal and serious injury non-interstate crashes. Crashes with dark conditions crashes account for 26% of all non-interstate crashes and 25% of the fatal and serious injury non-interstate crashes.

Recommended countermeasures for this crash type include:

- Reflectors / Delineators*
- Retroreflective Pavement Markings
- Retroreflective Traffic Signal Backplates*
- Lighting*
- High-Friction Surface Treatment*

**FHWA Proven Safety Countermeasure*



Implementation Best Practices

These best practices highlight strategies that local officials can leverage to help advance safety countermeasures on the roadways within their purview.

Transportation Planning & PennDOT Connects Meetings

Before the Meeting

Review the Safety Action Plan (SAP) and identify whether the project/study location:

- falls within the High Injury Network (<https://tmp-map.s3.amazonaws.com/ss4a/crawford-sap.html>)
- has any characteristics that relate to the systemic issues identified in this Toolkit

If the location does meet either of the above criteria, note it. Either way, consider the safety needs of the location and write them down before the meeting.

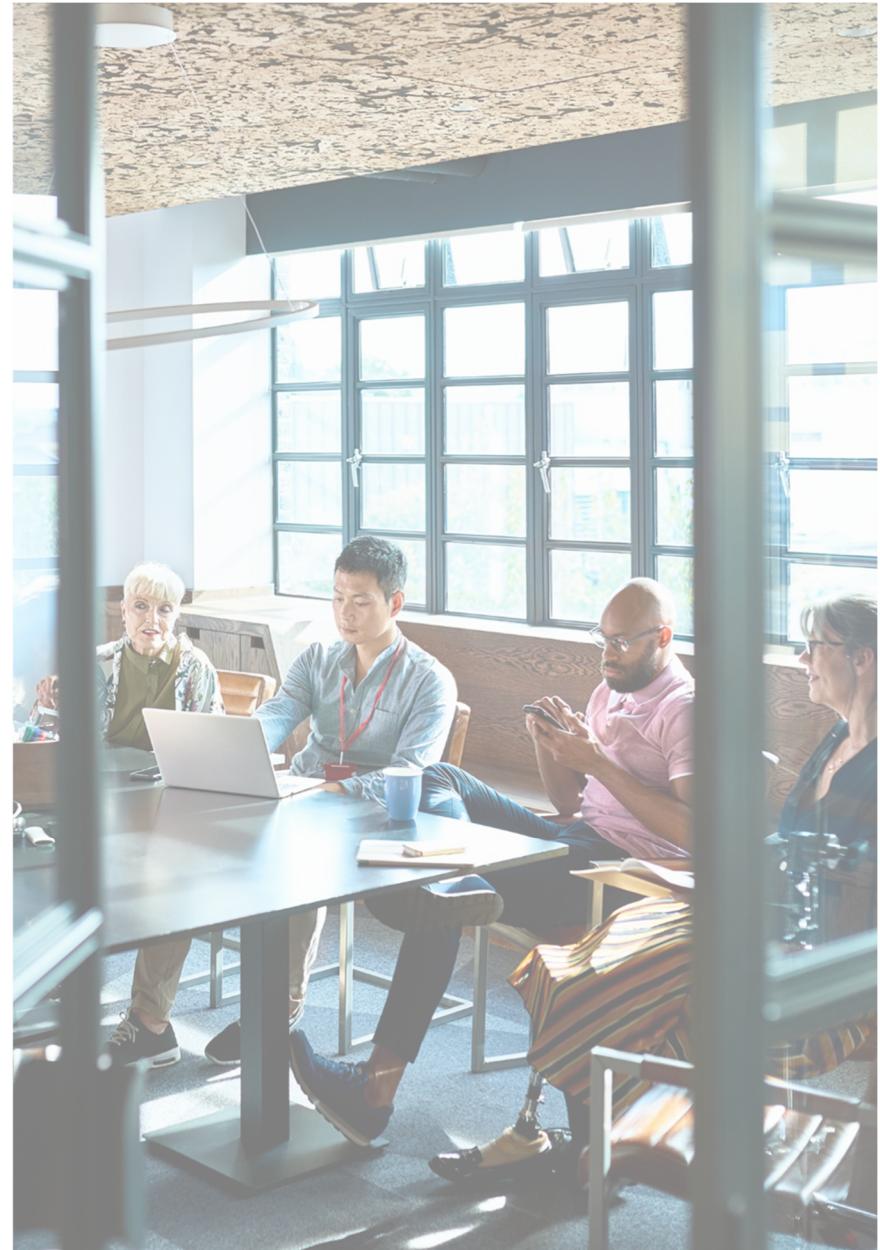
During the Meeting

Share whether the location is a part of the SAP's High Injury Network (HIN) and/or has characteristics that relate to the systemic issues. Highlight what you consider to be safety needs at the location.

If applicable, ask whether there are opportunities to incorporate relevant safety countermeasures into the project and/or study.

After the Meeting

Collaborate with the project/study team, as needed, to facilitate the incorporation of relevant safety countermeasures into the project and/or study.



F. Crawford County SAP Coalition Charter

Crawford County Safety Action Plan

Implementation Coalition Charter

DRAFT as of June 5, 2025

PURPOSE/MISSION

The Federal Highway Administration (FHWA) strongly recommends that municipalities use a collaborative process for planning that involves all the relevant stakeholders that are involved with improving roadway safety for all users on the transportation network. To this end, Crawford County has formed a Coalition to support the implementation of its safety action plan. This group will be chaired by the county planning director. The Coalition members' responsibilities are highlighted below:

SUPPORTING ACTIVITIES

1. Support and advise Crawford County in the Safety Action Plan's implementation and future updates.
2. Advise the Crawford County Planning Department on safety-related priorities, issues, projects, and funding needs.
3. Serve as a forum for discussion of the Safe Streets and Roads for All (SS4A) requirements and prepare Crawford County for future funding opportunities.
4. Invite representatives of recent safety improvement projects to present success stories to the Coalition as potential best practices that could be replicated in other parts of the county.
5. Serve as the county's voice in communicating roadway safety improvement needs to Crawford County (and by extension, the Northwest RPO)
6. Provide guidance in maintaining the County's High Injury Network (HIN) based on a data driven approach.
7. Assist the County Planning Department in maintaining a directory of notable contacts and stakeholders for safety planning.
8. Inform Crawford County on matters related to the development of the Data Hub as it pertains to safety data and analytical needs.
9. Provide comment and input on safety issues countywide that are raised by municipal officials and residents.